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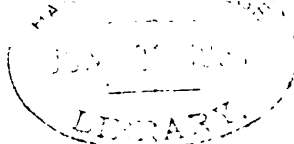
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The University

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The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues, and can be reached by the Cottage Grove cable cars (from Wabash Avenue), or by the Illinois Central Railroad, to South Park station.

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THE UNIVERSITY OF CHICAGO,
CHICAGO, ILL.

PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE SIXTH UNIVERSITY CONVOCATION,
APRIL 3, 1894.

THE ATTRACTIVENESS OF THE RELIGION OF JESUS CHRIST.

John xx. 20.

ABSTRACT OF THE CONVOCATION SERMON
PREACHED BY

REVEREND E. F. WILLIAMS, D.D.*

This attractiveness was found in the Ideals of Christ's Religion, in its Revelations, in its Duties, and in its Rewards.

In speaking of the attractions of Christianity in its Ideals, the preacher referred first to the ideals which students cherish in regard to truth, as the object which they most earnestly desire to obtain, for which they search through the realms of matter, mind, and spirit with untiring devotion; then in regard to righteousness, or purity in one's own nature as well as in conduct; and furthermore in regard to duty, or the obligation to make the most of ourselves, to live upon the level of our highest aspirations, not only for our own sake, but for the sake of others. Though these ideals, to which the ideals of self-sacrifice and of self-mastery should be added, if realized, would bring us into harmony with our environment, and make the world a paradise, we find, in our attempts to realize them, that something in our nature which is called sin prevents their realization, and fills us with disappointment and discouragement. It is here that the command of the Saviour comes to us, "Be ye perfect even as your Father in heaven is perfect," and with it the promise of ability to obey it and reach the ideal here presented. As we study the character of the Being who makes this promise we see how all the ideals we had cherished are more than met in Him; that if we can find no representatives of religion, either in the Old Testament or outside of it among the so-called

world-religions, which satisfy us, we find in the Great Teacher an example of complete moral excellence, a fountain of all wisdom, and the source of all power, a Being in whom the tenderest sympathy, the holiest love, and the completest self-sacrifice are united.

Chief among the Revelations in which the religion of Christ is so attractive, is Christ himself, perfect in body, mind, and spirit, at home in all truth, one in whom all the treasures of wisdom and knowledge are hidden, yet obedient to every law of God, as we ourselves are required to be, exercising the power which God has given Him solely for the benefit of those to whom He has been sent, denying Himself that He may lift men up to His own high level of fellowship with God, sympathy with all truth, and delight in the manifestation of the noblest virtues, and still further, satisfying our longings after immortality, by assuring us that because He lives we shall live also, and live with Him in the place which He has provided for us.

The attractions of Christianity were also set forth in its Duties, which may be classified as duties to ourselves, to our fellow men, and to God. We sometimes forget, said the speaker, that we are under obligation to ourselves, that it is a part of the Divine plan that we seek to make the most of ourselves through the best culture within our reach, of intellect as well as of heart, through acceptance of a salvation which saves to the uttermost, *i. e.*, saves our whole being, gives us complete command of all our faculties, together with

* *Theatre, Kent Chemical Laboratory, April 1, 1894, 7:30 P.M.*

a wisdom which enables us to use them to the best advantage both for ourselves and our fellow creatures. In aiding those who are in need to find God, we aid them to live in accordance with the wish of God, and in such a way as to realize the plan which God has formed for them. It was remarked, in passing, that we would gladly discharge all the duties which the acceptance of the Christian religion involves, if we could discharge them as in the presence and for the Author of this religion, forgetting not infrequently that Christ has said, "Inasmuch as ye did it unto one of even the least of these my brethren, ye did it unto me." To discharge these duties as the Gospel demands, is a work worthy our highest ambition, a work which calls for heroic faith, patient continuance in well-doing in the face of most unreasonable opposi-

tion, and a self-sacrifice which may easily find its consummation in martyrdom.

On the attractiveness of the religion of Christ in its Rewards, the speaker dwelt but briefly. It was shown that well-doing always brings happiness, even if it does not bring worldly prosperity; that even in this life the Saviour rewards his followers with blessings too great to be described; that among the richest of these blessings is the consciousness that we are the children of God, living in sympathy with Him, loving the things which He loves, enjoying His constant presence and protection, and through the indwelling Spirit, who is seeking to eliminate sin from our nature, bringing us into such a union with Him that duties become privileges, and lives of burden and slavery become lives of freedom and love.

SOME COLLEGE FALLACIES.

ADDRESS BY

JOHN M. COULTER, Ph.D., LL.D.,
PRESIDENT OF LAKE FOREST UNIVERSITY. †

LADIES AND GENTLEMEN:

My subject refers strictly to the American college, with its four years of undergraduate work, by whatever name it may be called. This type is exceedingly hard to define, for its two boundary lines, as well as its methods, are variable factors. Nevertheless, there is a type in our minds, which is neither a university nor a secondary school, although there are universities in name which are colleges or secondary schools in fact. We have fallen into the habit of making our names not expressions of fact, but of hope. Within recent years the college has been the scene of profound revolutions, quiet and generally unnoticed, because not generally understood. We are fond of glorifying our recent material achievements, and entering intimately, as they do, into the daily experience of the world, they seem to overshadow the more subtle regions of progress. Public opinion has come to regard them as the "bright, consummate flower" of our intellectual development, when in fact they are merely the gross, the incidental, the utilitarian expression of it. They are the visible signs of a far greater invisible movement, of a vast intellectual awakening as significant as that which ushered in modern activity. At the center of this region of invisible influence stands the college and the university, if we have any such, revolutionizing the material, intellectual, and religious life of mankind. It can hardly be questioned that the modern college is the great emancipator of thought, and that this emancipation in the largest sense is its chief function. Colleges, until recently, were steeped in mediæval precedent, and have clung with wonderful tenacity to primitive conceptions of culture. Their regeneration began with the introduction of the laboratory method and the recognition of individualism, and as a consequence they have become the centers of intellectual freedom. The mission of a college seems to be more a crusade against superstition than against ignorance. It is very hard to realize how much the wings of our thought are tied down by hereditary or thoughtless beliefs. The world contains huge attics full of heir-loom rubbish, and it needs an incendiary fire now and then to get rid of it, and in this purifying iconoclasm the college is playing a prominent part. The world needs, almost more than anything else, the ability and courage to see things as they really are,

and to recognize the awful hiatus between cause and effect in many cherished beliefs. This inability to recognize necessary and unnecessary relations permeates all business, makes demagoguery possible, and is the foundation of religious cant. It is used to confuse judges and juries, runs rampant in the divine art of healing, and perverts the religious instinct. It is not possible to raise all humanity to the plane of logical thinking, but the rapidly increasing attendance at colleges and universities indicates the possibility of training the leaders of humanity.

The vast importance of the work done by colleges has made their structure a thing of much discussion, and never was there a human ailment so provided with patent medicines as is the process of intellectual development. From sternest rigidity to freest election, from a few ancient subjects to all subjects, there is every intermediate gradation, every combination claiming to be founded in sound philosophy; and through the midst of all this tangle each college works its devious way. The fact remains that the human mind, like the human body, is made of most enduring material, and can thrive under more abuse than almost any structure, and from the midst of all the clashings of educational philosophies it emerges trained and ready for work. Whether homeopathy, or allopathy, or the eclectic system attacks it, it remains sound and vigorous, and it seems to gain the greatest soundness and vigor by being left largely to its own devices. Given good original mental fiber and a teacher who can teach, and educational philosophy may dispute about the result, but it cannot change it. The whole subject turns upon the purpose of the college. The college deals with the development of intellectual life and vigor. What the gymnasium seeks to do for physical life, what the church seeks to do for religious life, this the college seeks to do for intellectual life. It teaches the processes of intellectual living, it furnishes the materials for intellectual digestion, and whatever impress the result leaves upon the physical and religious life is incidental. Discussion has not confined itself to college circles, for the press frequently contains much wholesome advice concerning college methods and government, expressions which may be considered as voicing extra-collegiate opinion.

† Delivered at Central Music Hall, April 3, 1894.

From collegiate and extra-collegiate discussion we have certain resultant notions, to which I wish to call attention, and which, from my point of view, need correction. It is my purpose, therefore, to submit five propositions, all of them in the form of negations.

1. *No classification into practical and impractical subjects can be made.* This statement is called forth by the popular demand for what is styled a "practical education." The phrase implies that there is an education which is "impractical," and it may not be too much to say that the popular impression accuses colleges of specially favoring impractical education. It is by no means unusual for those who are trained students of a problem to differ from those who are not trained. Lack of experience and paucity of facts are always conducive to certainty, but at the same time the tongue-tied utterance of the public should be regarded and the situation explained. I have tried to discover just what is meant by "practical education," but, unfortunately, those who use the phrase are not given to accurate definition. It seems, however, to apply to the subjects used rather than to the intellectual result, to the means rather than to the end. It seems that a knowledge of some subjects may be useful, and of others not; and when the question "useful for what" is pressed, it is generally found that it is to be useful in the business of life, and the success of this business of life is measured by its ability to secure material comforts. The logical conclusion, therefore, is, that colleges would fulfil their mission better if they should teach every one how to make a living. I do not object to this position, provided it be considered not the purpose of a college, but merely as an incidental result of its work. I may venture to say that our religious teachers would also prefer to regard the ability to make a better living as the incident rather than the purpose of a religious life. Honesty is surely a sound business principle, but for what may be styled "practical religion" to inculcate it for that reason hardly commends itself. Education has to do with the development of intellectual life, and the resulting ability in material affairs is a matter of course, but not of purpose. A human mind presents itself at the college, desiring to enter into the intellectual life. After living this life for a while it becomes necessary for it to continue it, in other and perhaps less congenial conditions. The developed intellectual vigor has given more grasp upon these conditions, more ability to use them; and the effect is the same as though the college life had all been with this definite purpose. No subject of college study is "practical," in the proper sense, until it is applied directly to living, and the force thus applied is not the subject, but the permanent tissue it

has been the means of forming. It is not the question of the capacity of the intellectual stomach, but of the mental muscle. Of course, if the intellectual life has been simply intellectual parasitism, the neophyte seems helpless in the new conditions, and the fact that too many colleges have encouraged this parasitic life has led to the popular impression that a graduate is good for nothing. Then, again, no subject of college study is "impractical" which stimulates and satisfies intellectual desires. The popular demand has arisen to some extent from an inability to appreciate the existence of an intellectual atmosphere, where thoughts, not dollars, are the current coin; where the search for truth goes on as eagerly as the search for gold elsewhere, where nothing that is useful is taught; but it has chiefly arisen from the former monastic seclusion of intellectual life. Not all college subjects can be brought to the people, but the people and their institutions are subjects which can be brought to the college, and the two can be knit together in mutual esteem and confidence. Once the scholar was expected to be the recluse. His studies carried him outside the ordinary round of the world's thought; his interests differentiated him from mankind, and it was natural for him to stand apart. He thus became a peculiar animal, a monstrosity, a thing to be wondered at, no more a part of the social fabric than if he had occupied one of the cages of a menagerie. This was an extreme expression of the selfishness of knowledge. But now a new spirit dominates the race of scholars. Monasteries are no more expected in things intellectual than in things religious; and the doctrine, "ye are the light of the world," is the gospel of modern scholarship. The scholar thus assumes a new function in the social fabric, far different from his old isolation. He is the prophet of the new dispensation, the discoverer and promulgator of truth; and under his guidance the world is advancing from shadows to realities, from faith to sight, from dogma to life. Let the college take its place among the people and it will seem to them immensely practical. The fact is, the phrase "practical education," is a redundant one, for I cannot imagine how intellectual training can be other than practical; and "impractical education" is a self-contradictory phrase. The most useful advance made in modern college training is in the multiplication of subjects; and as each subject has been added it has enlarged the circle of intellectual life, has made such life possible to a larger number. The wonderful differentiation of mental structure demands the widest possible differentiation of mental *pabulum*. One kind of sound vibration may call forth a sonorous response from properly attuned strings; but the other strings

remain silent and unresponsive. The duty of a college is to strike every note, that every string may respond; and this response is the evidence of awakened thought. Any subject which calls forth this mental response is practical; and any which does not is impractical. These qualities, therefore, are not inherent in the subjects, but are merely relative in each individual case. To me botany is an immensely practical subject; to you it may be absolutely impractical. The multiplication of subjects has not merely enlarged the horizon of practical education, but it has made scholarship far more democratic. The two or three subjects which long usage has made seem necessary to culture were in danger of hereditary royalty; and the proof of their right to rule seemed evident in their offspring, the intellectual giants of the last generation. It must be remembered, however, that men only appear gigantic when their associates are small; and I look upon these ancient giants, not so much as an evidence of fine educational methods, as an evidence of terribly inappropriate methods, which left them so many small men as associates. The seed that falls on good ground might well argue concerning the beneficent provisions of Nature; but what of the myriads of seeds that fall by the wayside or on the rocks? To press the utilitarian idea, gymnasias would be torn down, athletic fields would be plowed up, and the boys sent to the woodpile and cornfield for physical development; homes would become barracks; and life would be a prisoner's routine. To look upon studies as so much real estate, that can be sold or mortgaged as occasion may demand is kin to simony. Any process that makes utilizable brain power is practical education, and the subject that brings this about, whatever it may be, is practical.

2. *In college no such classification as general culture and specialization can be made.* Once it was thought to be all general culture; but now, with elective courses and major subjects, we hear of studies that are pursued for general culture and others as "specialties;" the one supposed to be the general, the other the specific preparation for future activity. The first is meant to result in what is so often styled "broad and liberal culture," a scholarly expression for the process of veneering, by which the general effect of the product may be good, without any special reference to working power; the second is apt to be styled "specialization," by which ability to do something is cultivated. The first is regarded as a good foundation for the second, and in the old colleges the foundation, although usually qualified as "broad," was far narrower than the superstructure. It is a question of present discussion whether the period of foundation-laying shall end

with entrance to college, or shall extend more or less through it. Such classification in college seems to be splitting hairs. General culture implies specialization, and specialization implies general culture; it is all one process. By "general culture" is usually meant a little of several subjects; by "specialization" more of one subject; and in both cases we are dealing with such small amounts that they must be added together to make an appreciable sum. I have never understood how three or four years of mathematics, or of Greek, belong to general culture; and more than one year of chemistry is specialization. I recently heard an estimable gentleman lament that we have departed from the good old days of general culture, when Greek, Latin and mathematics were pursued almost continuously for seven or eight years, including preparatory work, and have now entered upon days of specialization, when other studies have divided the field with the old tripos. Such statements tend to confuse one, but they really serve to show that the "broad foundation" and the "specialty" are but pleasant fictions of college classification. It is perfectly evident that each student must have more of some subjects and less of others, and that this proportion may properly vary in each individual case; but why the comparative degree of such small amounts should be regarded as specializing I do not understand. The whole thing is but a single mental progress, stimulated in various ways, the only condition being that each individual stimulus be applied long enough to become sensible. The desire to know some one thing well adds to the momentum of this progress wonderfully, but there was a time when this was discouraged, and failure of mental response was taken to indicate the need. It was curious pedagogy that neglected congenital ability in order to apply itself to congenital stupidity; that fed cucumbers because they could not be digested, and denied bread because it could be digested. Breadth of culture comes from the whole college work, as its final resultant, provided the work has been suited to the mental structure. This breadth has come from the consistent major, as well as from the scattering minors. The major, moreover, may be the cutting edge which ploughs deepest, but the minors add their weight to it, and the depth depends upon all combined. Recently I read an analysis of college work, in which the figure of a field put under cultivation was used. The general preparation of the soil for seed reception represented the general preparation section of college work, while the seed represented the major, the thing which was to germinate in the soil made congenial and bear fruit. The figure is a good one to represent the relation between one's education and life-work, but hardly appli-

cable to the major and minors of the ordinary college course. The whole process is one of soil preparation, in which there must be such different operations as ploughing and harrowing, but both contribute to the same result.

3. *No classification into "culture-studies" and those that are not can be made.* This classification is one that is often made, and claims to be based upon results. The division is "culture studies" and all other studies. Just how "culture studies" are delimited I have been unable to discover; but I have often been painfully aware that what are called "scientific" studies are not "culture" studies. As a consequence, the scientific man has been forced to make greater attainment than his fellow, for he must also have culture; while it is not at all necessary for a man of culture to be scientific. All this is the result of the order of development of human knowledge. Certain subjects are like certain families, eminently and accidentally respectable on account of ancient lineage; no better, no more useful than their fellows, but having acquired a coat-of-arms by heredity. It is perfectly natural to think no education respectable without them. The so-called "culture" studies hold the same relation to the intellectual dress of the human race as the dress-coat does to modern society. I can conceive of these conditions being exactly reversed on some other planet. The truth of my proposition that no classification into "culture" and "non-culture" studies can be made in colleges hinges upon the definition of "culture." If culture means a knowledge of ancient classic literatures, or of modern literatures, or of both, then of course there can be a classification of college subjects upon the basis of culture; but if it means improvement and refinement of the mind, then there can be no such classification. Culture, as used in its narrow and perverted sense, is a thing of environment, of early and long association, of experience, and not of knowledge. I have seen professors of literature who could not be accused of culture in this sense; and professors of civil engineering who were very much cultured. I take it for granted, however, that this narrower definition is not the one intended in college usage; and if it is not, then my claim is that all college studies are culture studies. I see that Matthew Arnold describes culture as "acquainting ourselves with the best that has been known and said in the world," a definition which surely includes the whole college work. Brooks regards culture as "thorough acquaintance with all the old and new results of intellectual activity in all departments of knowledge," a definition which would remove culture far enough from undergraduate attainment. A repre-

sentative litterateur and scientist thus unite in the common testimony that all forms of mental activity result in culture. It is just as high time for the college to drop the phrase "culture studies," as it is for the public to drop the phrase "practical studies."

To cultivate thought and its expression is probably an ultimate statement of college purpose; and no subject is worth using which does not seek to do both. If expression without thought is culture, and thought without expression is not, I would resent being in either class. For purposes of comparison we may urge that one subject is calculated to do this thing chiefly, and another that; but in fact, no subject can hold such an isolated position; it must be accompanied by a train of other consequences. We may say that the hands are to grasp and the feet are to walk, but they have very many things in common. I have seen no college subject which may not bring culture, none which may not cultivate the power of thought and its expression. Observation is not peculiar to the laboratory; observation of material objects may be, but the observation of thought is no less real. The art of expression is not peculiar to the study of language and literature, for clear presentation is a shrine at which the laboratory worships. Our analyses lay bare the bone and we see only the structure of the supporting skeletons, forgetting the flesh that we have dissected away, which clothes them all and gives the real contour. We may eat bread for carbohydrates and meat for proteid, but we also get proteids from the bread and carbohydrates from the meat. It may be true that bread is the most convenient source of carbohydrate, but to say that it alone yields it is going wide of the mark. I am firmly convinced that we are often led astray by our analyses and simply weigh and measure the relative amounts of the resulting fragments, forgetting that the subject really attacks the mind synthetically, and that a combination does not necessarily have simply the added properties of its parts. The tendency of modern education is to render all subjects more similar in their specific effects. I see nothing to choose between the laboratory and the seminar in specific effect. Whether subjects are practical or impractical, general or special, cultural or non-cultural, does not enter into the count; it is merely a question of their adaption to the intellectual life.

4. *The college should not cultivate non-essentials.* Every college necessarily cultivates a more or less rigid ritualism. This appears all the way from entrance requirements to degrees, and pervades the whole college life. None of these things, rightly considered, are to be adversely criticised, but their perversion is common and dangerous. This is probably most noticea-

ble in the matter of college and university degrees. The degree is coming more and more to be a thing sought after for its own sake, not always with reference to its content. It is a label put upon a certain amount and kind of attainment, the amount and kind as variable as are the institutions conferring degrees. The perversion to be deprecated is that "studying for degrees," as it is too commonly put, may degenerate into the collecting of labels. The curious part of it is that one may study for a very few years and obtain a college degree, provided he studies in a certain prescribed way, but he may study all his life in some other way, and be infinitely superior in attainment to the neophyte of a few years, superior in everything that enters into intellectual living, and yet it is impossible for him to get a degree. I use this simply as an illustration of faulty standards that creep into college regulation, faulty schemes of classification, the elevation of non-essentials until the essential thing is in danger of being strangled. The whole management of entrance examination and requirement is constantly in danger of becoming the measurement of the contents of the intellectual crop rather than of the strength of the intellectual muscle. To lose sight of essentials in the cultivation of non-essentials is so common a tendency that it seems hardly worth stating, but it is to be as jealously watched and corrected in college as in church. All the things with which we occupy ourselves contain essentials and non-essentials; to recognize the former means large-mindedness, and their cultivation tends to liberality; to see only the latter is the province of short vision, and persistent attention to them will surely cultivate narrowness.

The Jewish Rabbins played with the trifles of their temple worship until their writings became an enormous tissue of absurdities. This concentration upon unessentials, which acted as a harmless conductor to regions of dissipation for an immense amount of intellectual force, if turned upon the eternal verities of their religion would have shaken the world with the thunderbolts of truth. It was left for a Nazarene to deal with the essentials, and the effect of his single force, thus vitally directed, is seen in a world-wide revolution.

The philosophy of the Middle Ages amused itself with senseless riddles, and has left a record of its folly in folios as bulky as they are inane, chiefly serviceable to bibliophiles, and as a record of the most stupendous devotion to non-essentials. The well-known result was absolute intellectual stagnation. A few brave souls rebelled and led the mind of man face to face with realities, and there followed such a leap and rush

of progress, such an awakening from death to life, that the world is said to have been born again.

For generations the divine right of one set of men to lord it over all the rest passed unquestioned, and the meaning of this leadership was entirely lost sight of in contemplating and perpetuating the empty fact. Presently the right was questioned, and political liberty became a universal doctrine. Shreds of the ancient belief may still be seen hanging upon the rapidly attenuating forms of their debilitated wearers, but the mighty strength of the modern idea, which deals with substance and not semblance, pays them but the scant courtesy of a smile.

It is hardly a century since nature was considered but a mass of miracles, whose phenomena were to be wondered at, but not questioned. Beneficent or destructive, she was a fickle goddess, and her variable moods only suggested the whims of a passionate but omnipotent Being. Tempest and plague marked his wrath, which senseless incantations strove to placate. Sunshine and dew indicated his smile. Matter and life and this great globe itself were toys, to be hastily made and thrown aside. How man could have held this chaotic belief and retain his reason can only be explained by the stupor of insensibility. Thus phenomena, which presented themselves in myriad forms, and were really but unessential, external expressions of deeper essential truths, were the only things seen or thought of.

Into the minds of certain gifted men, men of large vision, there gradually crept the notion of what have been called secondary causes. It must be that phenomena could be explained in a way that man could understand; at least the problem was worth the effort at solution. You all know the result of this attention to essentials. Chaos was reduced to order; whimsical government gave place to continuous, impartial law; matter and life fell into proper place and sequence; the scattered toys were found fraught with deep meaning; an awful majesty was breathed into the universe; and the race of men, freed from its shackles, sprang forward to such conquests over nature that to live a single generation now is more than to have existed during all the millenniums of the past.

These are instances of world-wide movements which have followed an escape from the domination of non-essentials, and some of you may have noted the fact that all of these historical shackles, used by way of illustration, still have their spiritual representatives among our colleges. I believe that the same leap and bound of progress in matters of education will follow the rigid subordination of all non-essentials, the breaking of the shackles of meaningless precedent, the

casting aside of all those straight-jacket notions, which always diminish, but never increase opportunity, whether in church or college.

5. My last proposition is radical and prophetic: *No limit of time should be assigned to college work.* Time-limits and degrees are used as artificial incentives to intellectual work. In my own under-graduate days the largest subjects were exhausted in a year, and many were completed in a term. The idea of completion was a very prominent one. The difference now is one of degree, not of kind; for we still measure off subjects by the yard, and limit knowledge with a foot-rule. How the time units of our educational systems ever came to be so vitally connected with them I do not know, but they have already limited college usefulness by restricting it to the very young, and by preventing leisurely and solid development of the intellectual life. Our colleges are like forcing houses, where precocious size with resulting flabbiness is stimulated by unnatural limitations of time. Solid growth is a thing of leisure and cannot be made to keep schedule time. The university is a place specially set apart for stimulating intellectual life; it is an atmosphere which should be helpful at any age and for any length of time. To graduate from the gymnasium or from the church is not thought of; for it is recognized that the stimulus to physical and religious vigor has no limitation of time or age. It may be that most can inhale the college atmosphere only when young and for a very few years, but they should not be invited to depart at stated intervals. My conception of a college is that it is a collection of masters at work in all departments of human thought, whose function is to inspire, and around them are gathered those who would live for a time in their vivifying presence. No limits of time are set to this association, no age debars from this companionship, but all together form an intellectual community. I never think of our stereotyped four years, without being reminded of the little excursion boats that make the round trip of the harbor

regularly every hour. Of course, our colleges and universities are still full of pilots who cannot venture out of the harbor on to the wide sea, and the limitations of time are then necessary. The whole business of such teachers is that of a pump, simply to be pumped full from some reservoir, that they may fill the little pitchers held up under the nose. The idea, however, is growing that a teacher must be a perennial spring, where refreshing waters are constantly bubbling forth, a center and source of supply. It may seem strange to some to define a college or university as a collection of masters at work; for usually in asking some one's impression of a university that has been visited, I have been answered by a description of the buildings; and I have frequently heard the relative merit of two universities discussed on the basis of buildings. This has always reminded me of a good soul whose visit to a picture gallery resulted in boundless admiration for the frames. Of course, men working imply facilities for work; but many a dingy building has become an intellectual Mecca; and many an ornate pile is as barren as Sahara. I recently saw a structure massive enough and ugly enough to be a government building, and was told that that was Blank University, and that it was "probably the finest university in the state," but there had not yet been engaged a single teacher. "The college exists only in the teachers which compose it and direct its activities. It exists for the benefit of its students, and through them for the benefit of the community, in the extension of culture and the increase in the sum of human knowledge. Its only gain is in making this benefit greater. Its only loss is in the diminution or deterioration of its influence. All questions of wealth and equipment are wholly subsidiary to this. The value of the university is not in proportion to its bigness but to its inspiration. The Good Spirit cares not for the size of the buildings or the length of its list of professors and students. It asks only, in the words of the old reformer, Hutten, if 'die Luft der Freiheit weht?'—whether the winds of freedom are blowing."*

* PRESIDENT D. S. JORDAN, in *Education and the State*.

THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY FOR THE QUARTER ENDING MARCH 31, 1894.

MEMBERS OF THE UNIVERSITY, TRUSTEES, INSTRUCTORS,
STUDENTS, AND FRIENDS:

In presenting to you a statement of the condition of the University to-day I will endeavor to answer definitely two specific questions. The first: What has been accomplished in and for the University during the period of ninety days which has just elapsed? The second: What is the University ready to undertake in the immediate future? It might be wiser to attempt an answer to the former question only; there is surely enough in this to occupy our attention. But you will agree with me that up to this time the promises of the University made to the public have been more than fulfilled; and, as we know, a glimpse of the future oftentimes aids us in understanding better the present.

The Reorganization of the Committees of the Board.

During the first two years and a half of the University's history the work involved in the selection of a faculty and the organization of the institution, in the planning of buildings and the erection of the same, in the investment of the funds of the University and the care of these investments, was necessarily so great as to require on the part of the Board of Trustees a distribution of the labor involved; three committees, therefore, were appointed, to each of which was assigned a particular duty. To the Committee on Organization, that of the selection of the faculty and the adoption of the University policy. To the Committee on Buildings and Grounds, a work, the results of which are seen in the quadrangles as they stand today. To the Finance Committee, the care of the University's funds, and the direction of its financial policy. When once the work of organization had been finished, and the buildings completed for which provision had been made, it seemed to the trustees desirable and at the same time feasible to reduce somewhat in amount the machinery of the Board, and to place the details of the University's work in all its departments in the hands of an Executive Committee. No action has been taken which in any way diminishes the power or authority of the Board as a whole. It is to be remembered, however, that in an institution with so many instructors, so many departments of work, the

number of details which require immediate attention is very great; while, on the other hand, not every member of the Board is able to give such constant attention as would be necessary to keep him in touch with this multitude of detail. The Executive Committee, which consists of the President of the University, the President, the Vice-President, and the Treasurer of the Board, together with five members of the Board, elected by ballot, now meets, by order of the Board, at a regular hour of every week, and is thus enabled to transact the business of the University promptly and efficiently. There may be disadvantage in such a plan, but it has been the unanimous opinion of the Board that the advantage was greater than the disadvantage, and the experience of a few weeks has already confirmed the wisdom of the change.

The Comptroller.

An institution of learning in these modern times is in itself a gigantic business enterprise. The work of collecting an income of half a million, and of distributing it in various expenditures, the work of investing millions of dollars and of keeping these millions properly invested; the care of property scattered in every part of a great city, and indeed outside of the city; the manifold purchases, the business arrangements of every kind,—all this requires skill of special character and of high order. Up to the present time this work has been done by various members of the Board; but it could hardly be expected that men fully occupied with their own affairs should be able to find time for transacting in person the business minutiae of the University. A new office has been created,—that of the comptroller. To this officer will be committed the business of the institution. It is not to be understood that the University will lose any of the wisdom and skill which it has hitherto received from its trustees; on the contrary, by committing thus the minutiae to a capable officer, there will remain all the more time for the consideration on the part of the trustees of the institution's highest interests. The Vice-President of the Board, Mr. H. A. Rust, has kindly consented to perform the duties of the comptroller without salary until there shall be found a man who is able and willing to assume the important duties of the office.

The Ryerson Physical Laboratory.

The last but one of the many buildings provided for in the million dollar building fund, the Ryerson Physical Laboratory, is now completed. It may be pronounced, without fear of contradiction, the most beautiful university building in America. As a building it lacks nothing which money could procure. With its stately tower, its marble wainscoting, its mosaic floors; with its abundant light, its deadened walls, and its complete adaptation to all the needs of the department for which it was built, the laboratory may be called ideal. No one will expect a laboratory, aiming at such completeness in every detail, to be furnished with its full quota of equipment within a few months. This is a task for which years will be required; and yet, by the kindness of Mr. Ryerson, who has not been satisfied merely to build the laboratory, a good beginning has been made.

Through the courtesy of the Department of Physics, rooms in the laboratory have been set apart for the use of the Departments of Mathematics and Astronomy, both of which come into close relationship with the Department of Physics. Space also has been provided for the laboratories of Physiology and Physiological Psychology; and in this way the building is to-day occupied from top to bottom, and scientific work of the highest order is already being conducted in it. Its formal dedication will be the prominent feature of the Summer Convocation in July. At this time it is hoped that physicists will come together at the University from the institutions which honored us with their delegates in December last, at the opening of Kent Chemical Laboratory.

The Statistics.

The number of officers, instructors, and fellows in the departments of the University, including trustees, during the last quarter was 283. The enrollment of the quarter shows an attendance in the Graduate School of Arts and Literature of 180, in the Ogden (Graduate) School of Science 77, non-resident graduate work 27, divinity students 158, college students 392, making a total of 846. Seventy-seven students who were in residence during the Autumn Quarter, left the University at the beginning of the Winter Quarter. One hundred and fifty-eight students entered at the beginning of the Winter Quarter. The net gain was over eighty. It will be remembered that the total attendance of the first year was 743. These figures are instructive in that they show the readiness of students to avail themselves of the opportunity to leave or to enter the University in the middle of the year. The fact that 20 per cent. of the students in attendance

during this past quarter entered at the beginning of the quarter is most significant. The total number of candidates taking examination for admission in March, ten days ago, was 216; of these 62 were new candidates.

The Fifty Thousand Dollars

Placed at the disposal of the University in January last by Mr. Rockefeller have already for the most part been expended. This provision I may say changed very greatly the results of our year's work. But for the books thus secured, many courses of instruction announced would have been abandoned. There are those, doubtless, who will feel that with so large a sum expended, additional books will not be needed for the coming year. I desire emphatically to anticipate any mistaken supposition of this kind on the part of friends of the University. A sum equally large will be just as greatly needed next October, or earlier. For ten years at least, if we do our duty, books and apparatus, costing fifty thousand dollars each year, must be added to the equipment of the University. We must not forget that the facilities for research and investigation are costly, and that if research and investigation are to be encouraged, these facilities must be furnished. I am not far wrong in saying that while the books and apparatus necessary for one thousand under-graduate students might be provided for \$200,000, the needs of one-fifth of that number of graduate students would require the expenditure of half a million dollars. Up to the present time the University has expended for books and apparatus an amount approximating a quarter of a million.

Outside the University.

In changing residence and in the wearisome task of settling, a large part of the time of our professors has hitherto been employed. The work of organizing departments, ordering and arranging equipment,—the work, in brief, of getting started,—has been very great. There was no reason to suppose that much, if any, scientific work aside from that of instruction could be performed during the first two years; and yet, if I mistake not, the University has already exerted an influence which is felt far and wide. The journals of the University go to every institution and to almost every library. In scientific journals at home and abroad articles not a few are appearing which have been written by our instructors. In the general literature of the day, the magazines and the quarterlies, one frequently sees the productions of members of the University. In some cases books begun before the opening of the University have since been finished and published. Others have appeared which have been

begun and finished within the life of the University, short as this has been. In Scientific Societies many members of our faculty occupy to-day high positions. A foreign government, at this very time, is being assisted in the development of its financial policy by one professor. A far distant city has just been stirred throughout by the lectures of another. Still another, within a month, has for the first time made public writings that for centuries have been hidden from the eye of man. Discoveries, the result of patient research, have been made in several departments of Science, the value of which has been recognized by the whole scientific world. We are at work; and the work which we are doing is one the influence of which many will feel.

Is there danger at this point? Yes and no. It is possible that, in this department or that, the student who has journeyed perhaps a thousand miles or more to come in contact with a particular instructor may find too much of that instructor's time occupied in a way which, as he may think, will scarcely aid him. The student may be wrong, and yet, he may be right. One cannot say just where the line shall be drawn, but it goes without saying that the student's interests must be conserved, and the fullest assistance rendered him. It is true that work done by a member of the University, wherever that work is done, will benefit not only the cause of education, but directly the University itself. But it is possible so to distribute one's energies, that the best results will not be gained. I have not referred to the work accomplished by members of the University in University Extension. No one who examines closely the results already gained in University Extension can fail to see how great and good has been the influence thus far exerted. The University is well satisfied to-day that three years ago it had the courage to announce the University Extension Division as one of the organic divisions of the University work. But there is danger here. The University instructor who does his duty as an instructor, and in addition produces what the University expects of him in his department, has no time in most cases for University Extension work. Such work should be exceptional.

The University has organized its staff in two divisions. One division gives instruction *in* the University; the other gives instruction *away* from the University. Of members of both divisions, production is expected. The amount of instruction required by the statutes of the University is comparatively small. It has been made small in order that men might have time to do a kind of work, the influence of which will be felt abroad as well as at home. It is the duty of every officer to consider carefully whether his individual

work is arranged in such a manner as that he shall be able to perform his full duty toward the students who have placed themselves under his care; whether, also, he has time for that work which in a University must be recognized as higher than instruction,—the work of production. It may not be amiss for me to remind our younger officers that unless such work is undertaken at the very beginning of their academic career, habits may be formed which in later years it will be found difficult to change. No man becomes a member of the University staff of whom great things are not expected. The University will be patient; for there is no greater folly, no more common folly, than that of making public what is not yet ready for the world to know. The University, I say, will be patient, but it expects from every man honest and persistent effort in the direction of contribution to the world's knowledge.

Additional Organization.

The work of organization has gone on vigorously during the quarter just closing. The University Museum has come into possession of a large amount of most valuable material. New collections are constantly being received. In order that the work might be satisfactorily developed an organization of the Museum was needed. This organization has been effected. Space in Walker Museum has been assigned to the Departments of Biology, Geology, Mineralogy, Palæontology, and Anthropology. Curators for each of these departments have been appointed, and Head Professor Thomas C. Chamberlin has been made director in charge of the Museum. The work of installation has already begun.

A generous proposition made by the Executive Committee of the Field Columbian Museum through Dr. Franz Boaz, Head of the Department of Anthropology, has been accepted by the Trustees. In accordance with this the Field Columbian Museum will prepare for the University Museum and deposit therein a full and complete anthropological collection for purposes of teaching.

By the recent action of the trustees there has been established the new Department of Archæology. To this department contributions will be made by the Semitic Department, of courses in Egyptian, Hebrew, Assyrian, and Babylonian Archæology; by the Classical Departments, of courses in Greek and Roman Archæology. As head of the department the trustees have appointed Professor Frank B. Tarbell, recently of the American School of Classical Studies at Athens. It is proposed, as rapidly as means and time will permit, to develop the department in all its various branches.

For sufficient reason the University hitherto has offered no instruction in Botany, but further delay in the organization of the department would be inexcusable. Provision has already been made for instruction during the Summer Quarter beginning July 1st, and it will be possible soon to make the announcements for the coming year.

By the action of the trustees, Palæontology, which has heretofore been associated with Zoölogy, is organized as a separate department. It is understood that work of instruction and investigation in Palæontologic Geology shall remain in connection with the Department of Geology. The Department of Palæontology as organized will be a Biological Department, and, as such, stand in close relationship to Zoölogy, Botany, Physiology, and Anatomy. The scope of the department is very wide and the problems which exist for its consideration are numerous. Assistant Professor Baur has been made acting head of the department. It is hoped that at no distant day the number of instructors in the department may be increased.

The organization of the Department of Philosophy has also been completed. As head of the department the trustees have appointed Professor John Dewey, of the University of Michigan, whose publications have made him well known both in this country and abroad. The more complete organization of the department will include in addition to the courses offered by the regular staff in Psychology, Ethics, Logic, the History of Philosophy, and Physiological Psychology, also courses in the special sense organs, and on the central nervous system, by Professor Donaldson of the Department of Neurology, courses in Greek Philosophy by Professor Shorey, courses in Social Philosophy by Professor Small, courses in Hebrew and Arabic Philosophy from the Semitic Department. The scope of the department will thus be very great, and the richness and variety of courses offered unsurpassed. The University congratulates itself that it is able at this time to complete the organization of a department so fundamental and important as that of Philosophy.

Fellowships and Scholarships.

During the past quarter the Faculty of Arts, Literature, and Science has completed its system of University honors. For the year beginning July 1st, 1894, the University will offer: (1) A limited number of honorary fellowships; these will be assigned only to officers of other institutions engaged in study at the University. (2) Twenty departmental fellowships yielding \$320, and twenty departmental fellowships yielding \$520. (3) Special fellowships provided for by private gifts; of these there will be at least five or six, yielding from three to five

hundred dollars each. (4) Institution fellowships; of these there have been during the past year two; one, the holder of which was appointed by the faculty of Bucknell University, Pennsylvania, the other by the faculty of Iowa College, Iowa. It is expected that the number for the coming year will be increased. (5) Three divinity fellowships, one in the Department of New Testament Greek, one in the Department of Dogmatic Theology, and one in the Department of Church History. The University offers also twenty fellowships in the Graduate Schools each yielding a sum equal to the tuition fees, twelve scholarships in the University Colleges each yielding a sum equal to the tuition fees, and eight scholarships in the Academic Colleges. The following institution scholarships have been established: The Pillsbury Scholarship, the Colby Scholarship, the Wayland Scholarship, the Michigan Military Scholarship, the Shattuck Scholarship, the Peddie Scholarship, the Cook Scholarship, the Milwaukee Scholarship, the Cedar Valley Scholarship, the University School Scholarship, the Harvard School Scholarship, the Morgan Park Scholarship, the Peoria High School Scholarship, and a Scholarship for each of the High Schools of the city of Chicago.

Changes in the Staff.

During the months of the Winter Quarter the arrangements for instruction in the various departments for the year beginning July 1st, have been completed. These arrangements have included many changes in the teaching staff, and some additions. The trustees have made the following appointments: Dr. Adolph Meyer, now physician in the Hospital for Insane, Kankakee, to a docentship in Neurology. With the consent of the authorities of the hospital, the students of the University will have opportunity to investigate neurological cases of special interest. John Cummings, fellow, appointed to a readership in Political Economy; Elizabeth Wallace, docent, to a readership in Spanish and Spanish Institutions; Thorstein B. Veblen, reader, to a tutorship in Political Economy; William B. Owen, fellow, to a tutorship in Greek; Edwin H. Lewis, assistant, to a tutorship in English Literature; Clyde W. Votaw, reader, to a tutorship in Biblical Literature; Glen M. Hobbs, assistant, to a tutorship in Physics; Charles T. Conger, docent, to an assistantship in Political Geography; George E. Vincent, fellow, to an assistantship in Sociology; James H. Breasted, non-resident fellow, to an assistantship in Egyptology; René de Poyen-Bellisle, fellow, to an assistantship in Romance Philology; Myra Reynolds, fellow, to an assistantship in English Literature; Francis W. Shepardson, reader, to an

assistantship in History; William Hill, tutor, to an instructorship in Political Economy; Ernest Freund, recently of Columbia College, to an instructorship in Jurisprudence and Roman Law; J. W. A. Young, tutor, to an instructorship in Mathematics; David J. Lingle, assistant, to an instructorship in Physiology; S. H. Clark, reader, to an instructorship in Elocution; Luanna Robertson, tutor, to an Academy instructorship in German; Wayland J. Chase, tutor, to an Academy instructorship in English branches; Ernest L. Caldwell, tutor, to an Academy instructorship in Mathematics; Howard B. Grose, instructor, to a University Extension assistant professorship in History; Frank J. Miller, instructor, to an assistant professorship in Latin; H. Schmidt-Wartenberg, instructor, to an assistant professorship in German; Frank M. Bronson, instructor, to an Academy assistant professorship in Greek; Robert H. Cornish, instructor, to an Academy assistant professorship in Natural Science; J. W. Moncrief, professor of History, Franklin College, Franklin, Indiana, to an assistant professorship in Church History; Starr W. Cutting, assistant professor, to an associate professorship in German; James H. Tufts, assistant professor, to an associate professorship in Philosophy; Charles R. Henderson, assistant professor, to an associate professorship in Sociology; Carl D. Buck, assistant professor, to an associate professorship of Sanskrit and Indo-European Comparative Philology; William D. McClintock, assistant professor, to an associate professorship in English Literature; Shailer Mathews, professor of History in Colby University, Waterville, Maine, to an associate professorship in New Testament History and Interpretation; Franklin Johnson, assistant professor, to an associate professorship of Church History and Homiletics; Frank F. Abbott, associate professor, to a professorship of Latin; Frank B. Tarbell, associate professor, to the professorship of Classical Archaeology and Greek Epigraphy; Harry P. Judson, professor, to the head[professorship] of Political Science; John Dewey, of Ann Arbor, professor of Philosophy in the University of Michigan, to the head professorship of Philosophy.

The trustees have made also the following appointments in the administrative work of the University: Charles Zeublin, to the secretaryship of the Lecture Study department of the University Extension Division; Albert H. Tolman, to an assistant examinership; Charles R. Henderson, to the University Chaplainship, a new office established by the trustees, the duties of which are provided for by a special statute; Howard B. Grose, to the recordership of the University, in place of Professor Henderson, resigned; Thomas C. Cham-

berlin, to the directorship of the Walker Museum; Nathaniel Butler, Jr., to the directorship of the University Extension Division; Rollin D. Salisbury, to the deanship in the University Colleges, in place of Professor Chamberlin, resigned; Harry P. Judson, to be dean of the Faculty of Arts, Literature, and Science, and, as such, dean of the Graduate School of Arts and Literature. These appointments furnish evidence of definite progress already made and of future development along many lines.

University Extension.

Reference has already been made to the satisfaction which has been experienced by the University in the steady progress of its University Extension work. In each of the three departments, namely, those in which instruction is given through lecture study courses, through class-room work in Chicago and its suburbs for evening and Saturday work, and through correspondence teaching, there has been during the past quarter an increase. The Autumn Quarter proved that fears of a marked reaction from the influence of last year were groundless. The Winter Quarter just closed has strengthened that conviction. Of the twenty-three new centres organized for University Extension lectures since October 1st, fourteen were organized during the Winter Quarter. During this quarter forty-four courses of lectures were delivered. Six hundred and seventy-five students received instruction by correspondence, and sixteen evening classes were in operation in the city outside of the University. The first annual conference of University Extension workers for the Mississippi Valley was held at the University last week. Representatives from the centres in Illinois, as well as many from Indiana, Minnesota, and Iowa, were present. The reports from these centres made it evident that the position of University Extension work among other educational activities and its relation to them, has become, during the past two years, very much more clearly defined. The different communities engaged in the work are becoming more distinctly aware that they are engaged with others in a great movement which has its own, and an important function in education. University Extension has served, perhaps more than any modern movement, to emphasize the thought that education is not to be regarded as definitely concluded in a few of the earlier years of life, and that it is then to make way for the real activities in which men and women are engaged; but rather that education is a something to be carried on throughout life and to mingle its influence with the activities of home and society, and with business and professional cares. In this conference it

became evident that the work done by the University in extending its teaching beyond its premises has resulted in an intimate interest on the part of many people at a distance in the affairs of the University, and has caused many to form, and indeed to carry out, the intention of becoming resident University students here or elsewhere. The University Extension work on its present basis costs the University in round figures \$10,000 a year, in addition to the receipts from fees and syllabi. I believe that I express the opinion of the trustees as a body in saying that the results secured by this expenditure most fully justify the expenditure.

The Academy.

The University has come into the possession of the Morgan Park village library, in return for which five scholarships and ten half-scholarships in the Academy have been set apart for residents of Morgan Park. These scholarships are to be known as the Walker scholarships, named from Mr. George C. Walker, who gave the site, erected the buildings, and furnished a fund for books at an expense of \$15,000. Dr. Justin A. Smith, as president of the Library Association, has contributed many books and has made the selection a most choice one. By the concurrent action of the Morgan Park Library Association and Mr. Walker, the library numbering 2,440 books is now the property of the University for the use of the Academy and residents of Morgan Park.

The University Press.

The contracts heretofore existing between the University of Chicago and the University of Chicago Press have been cancelled and annulled by mutual agreement. In accordance with this contract the Press had undertaken for the University of Chicago the printing and publishing of its books, the conduct of a University bookstore, and the purchase of books and apparatus for the libraries and scientific departments of the University. The business relations between the University and the managers of the Press have been perfectly harmonious from the beginning. The officers of the Press studied at all times to do their utmost to meet the demands made upon them. Experience, however, has shown that the printing office has been at too great a distance from the University. It had become very evident that in the interests of convenience and economy, the printing of the University, already large in amount and constantly increasing, should be done at the University. Both parties to the contracts came to feel that the wisest course involved the cancelling of the contracts. With

perfect good feeling on both sides, therefore, and in entire agreement, this has been done. The purchasing of books, the work of printing and of publication, will henceforth be carried on by the University itself. Like the University Extension, the University Press constitutes an organic division of the University. The success of this division is essential to the highest success of the University. The question is not one merely of convenience and economy, but a question of far greater moment. The printing press is to be considered as truly a part of a university's equipment as the machinery of the physicist or the microscope of the biologist. Its possibilities in connection with university work have never been fairly tested. When ten or twenty years hence the story shall be written of what the University Press has done for the University, men will begin for the first time to realize that its establishment at the period of the University's beginning was no foolish dream or idle vision.

The Schools of Law and Medicine.

A question which is asked of us every day, and some days many times, concerns the organization of Schools of Medicine and Law. The only answer it has been possible to give to these many inquiries is that the University is waiting. It is taken for granted that the organization of an institution will not be complete until these schools have been established. But it is not possible to do all things at once. To establish a School of Jurisprudence and Law which should take high rank among the great schools of this country and of foreign countries, will require the sum of one million dollars. To establish a School of Medicine worthy of the profession and of the City of Chicago would require the sum of three to five millions. That in time these sums can be obtained for these particular purposes may not be doubted, but to secure them time is necessary as well as strength. Our country has Law Schools and Medical Schools enough of the kind that are conducted without endowment and managed chiefly for the pecuniary or professional profit of those in charge of them. Rather than duplicate work that is already being done, whether of high or low character, it would seem a better policy patiently to wait until broad-minded men who have at heart the cause of humanity shall see an opportunity to do something of which the whole world will be proud.

The Technological Work.

Something more definite may be said concerning the technological work of the University. The time seems to have arrived for its organization. It is agreed on every side that no city in the union presents better

opportunities for the development of Schools of Engineering than the city of Chicago. A College of Technology for undergraduates and a School of Technology for graduate students have been a part of the plan of the University from the date of the issue of its first bulletin. Provision having been made on so large a scale for pure science, the time has now come for the organization of the technological work. By a vote of the trustees, dated March 27th, the President of the University has been requested to consult with specialists in the various departments of technological work and to present a full and complete plan for the organization of such work in the University. This subject, as all will agree, is an important one. At least three fundamental principles will underlie the proposed work. First, that the modern university is not a university until it has made provision for instruction in the various departments of applied science. Let us hope that the experience of our older sister, Boston, may not be duplicated in Chicago. There should not be here, as there, two great institutions wholly separate and without mutual sympathy, indeed, in many respects, antagonistic. The technological work of the future, if it is to partake of the dignity and the value of university work, must be conducted in connection with and as a part of the University. It needs especially the refining influence which comes from contact with university life, while, on the other hand, it will give to the university a practical spirit which is and should be characteristic of the educational work of our times. Secondly, technological work, if it is rightly conducted, can be made a means of discipline as well as of culture. It will not be the same discipline or the same culture, but the field of knowledge is very wide, and there must be representatives of every type. The character of the discipline and of the culture will depend almost wholly upon the breadth and thoroughness of the foundation work. This suggests the third principle. The technological work must rest upon a broad and liberal foundation, such a foundation indeed as is called for in the first two years of the course of Arts, Literature, and Science already organized. Acting upon these principles the University, at the earliest moment, will present to the public its plans for technological work. It need hardly be added that these plans when announced will be entirely commensurate with the breadth and dignity of the University as thus far organized.

The Million Dollar Subscription.

The most pressing obligation resting upon the University, far more pressing than the obligation to organize technological work, is the task of securing the

subscriptions necessary to fulfil the requirements of Mr. Ryerson's gift of \$100,000, and Mr. Rockefeller's gift of \$500,000. To secure for the University a million of dollars, it is only necessary to raise before July 1st, the sum of \$200,000. In view of what has been done in the past this would not seem to be a difficult thing to do, but in part because of what has been done in the past, and in part because of the unsatisfactory financial condition of the present, the task is the greatest which we have yet undertaken. We are told that the University has money enough. Again it is necessary for us to assure our friends that the first step cannot be said to have been taken by the University until it has ten millions; while to do the work which ought to be done, and could be done for this great Mississippi Valley, the sum of twenty millions is insufficient. Shall we not accustom our minds to this statement of fact? In the building of railroads twenty millions is nothing. A great university requires as much capital as does the building of a railroad system, and the returns will be larger and more sure. It will be not only a calamity but a reproach if the terms of these two magnificent gifts are not fulfilled. To secure this needed sum of \$200,000, and thereby to obtain the million, would be unquestionably the greatest victory yet achieved. Will the friends of the University not consider this?

The Summer Quarter.

When next we meet in Convocation, the most serious experiment of the University will have begun, the Summer Quarter. The provision for this quarter of the year's work has been made full and complete. During the twelve weeks, two hundred distinct courses of instruction will be offered in thirty departments. The number of instructors during the Summer Quarter will be over eighty. The salaries of the quarter will be more than \$60,000. The experiment is undertaken in no half-hearted way. It remains to be seen whether that great constituency upon which the future of our country is so dependent, the constituency of teachers, will find it possible and think it desirable to avail themselves of the privileges thus proffered. It should be understood that the work will not be the work of a Summer School. The regulations of the University will be carried out. The life of the University with its libraries and laboratories will be enjoyed. I know of no one who does not think that the experiment is worth trying. If we look about us and measure the needs of the tens of thousands of teachers; if we look again and note the needs of the tens of thousands of preachers; if we stop to ask ourselves why thousands of students in our many institu-

tions find it necessary to rest twelve or fifteen weeks when the business man and the professional man are able to secure a respite of only two or four weeks,—I think we will agree that the experiment ought to succeed. The long vacation so far as concerns the student is more injurious than beneficial. Let there be four or six weeks of real holiday, and let the student spend the remaining six weeks of the twelve in work, and within a short period he has saved a year of his life. I may be in error; if so, time will show it. Meanwhile, let us wait the issue of the experiment.

I have spoken to you freely and frankly. It has been the policy of the University from the beginning to conceal nothing from its friends—the public. You will receive what I have said in the spirit with which it has been uttered and we will all join in the prayer that the institutions of higher learning throughout our country and throughout the world, may receive rich blessings from heaven, and that, at all times, they may be guided in their multiform activity by the spirit of truth, the spirit of Jesus Christ.

SCHOLARSHIPS AND CERTIFICATES.

SCHOLARSHIPS.

Scholarships in connection with the Spring examinations for admission were awarded to the following students :

SCOTT, LAURA M.,
(of the Armour Institute).

LIVINGSTON, FRED. J.,
(of the North Division High School).

CERTIFICATES.

Academic College Certificates were granted to the following students :

GILPATRICK, ROSE ADELE. BEATTIE, MARIA.
PIERCE, LUCY FRANCES. WILLIAMS, DAY.
ROBINSON, IRENE ELIZABETH. WOODS, FRANK WILLIAM.

The *Theological Union* has granted an English Certificate to the following student :

EVANS, THOMAS SILAS.
Thesis : *Thomas Chalmers*.

DEGREES.

At the Spring Convocation the following degrees were conferred :

MASTER OF ARTS.

LATHE, AGNES M., A. B., Smith College, '81. Graduate student in the University of Chicago, '93-94.
Department : *English Language and Literature*.

Thesis : *The New Treatment of Man in English Literature between 1720 and 1750*.

BACHELOR OF ARTS.

DANIELS, MARY LUCRETIA.

* THE ACADEMY CONVOCATION.

The Convocation Address, "Why do we go to College?" was delivered by Professor Alice Freeman Palmer, Dean of Women in the University of Chicago.

Abstract of Address.

Everywhere there is a longing for college. The boy on the farm and the boy in the mill are trying to prepare themselves for it, and even the very little children have caught the desire from their elders and are talking about when they will reach it. Is not this longing an indication that most of us really do desire the best and highest things for ourselves, however much at times we may seem to care only for that which is small and mean? What now ought we to find at college?

First, we should find health, not only of the body, but of the mind and spirit as well. Only a few days ago a young lady, impressed at the University with the wealth of opportunity and with the joy of seizing it, exclaimed: "I can't afford to have headaches; I must keep myself open all the time to this new wealth of good things and lose none of it."

Then we should find friendship among those who come to college from many stations in life and from many places, each one bringing the atmosphere of his own surroundings. These friendships have been to many so sincere and deep as to last through life, and both to broaden the mind and cheer the heart.

I was talking a few weeks ago with a peerless teacher of boys—young, vigorous, magnetic, and uplifting to every boy who came into his presence. "Harvard College to me means three great teachers of mine," he said. So to us all college means the large, noble men, and high ideals we meet there. We go to college for high ideals.

Again, we ought not to go to college simply to secure the means of earning a living. A college education is not alone for the so-called "learned professions," but for business; not alone for the girls who are to remain unmarried and earn their own living, but for those who will marry; not alone for the clergyman's study,

but for the ranch. More and more men and women in all walks of life and with all callings in view, are seeking the college. For the college education is not for what it will get us in material things; it is for what it is in itself. And none feel this so much as we Americans, who, in spite of all that is said to the contrary, are the most persistent idealists in the world. We go to college for a larger, richer life.

It is sad to say that there are men who come forth from college as poor in mind and heart as when they went in. The church near them is no stronger for their presence in town, nor are the little children safer. They have not learned to love and help this sad and sordid world. A Boston girl, a few weeks ago, said: "I do not care for missions; I do not like to go with my friends to those dirty Italians at the North End; my life is not worth living, for my dancing days are over." You may smile, but that girl's life was a tragedy—a real tragedy, for she had not learned to love her fellowmen. She was living for self alone. We go to college that we may feel all the sorrows of the world around, and may know the joy of easing them.

Looking into your faces at the beginning of this glad Spring Quarter, and knowing that you all are happy, and striving for college and what college brings, I feel like making my prayer for you the words of Whittier that we sang last Sunday after the University sermon:

"O Lord and Master of us all,
Whate'er our name or sign,
We own thy sway, we heed thy call,
We test our lives by thine."

SCHOLARSHIPS.

Scholarships in connection with the work of the Winter Quarter, were awarded to the following students:

Blackwelder, Paul R.	Morgan, Maggie.
Carley, Vinnie V.	Peterson, N. John.
Griffith, Thomas L.	Quinn, Martin.
Gustafson, Lewis.	Smythe, Edwin H.
Hughes, Gertrude.	

THE VILLAGE LIBRARY.

The Dean announced the transfer of the Village Library by its trustees and by its donor, Mr. George C. Walker, to the University of Chicago. Recently it has

seemed to the trustees that permanent prosperity and enlargement of the library could best be secured by bringing it under the control of the University. In

• Held at Blake Hall, Morgan Park, Friday, April 6, 1894.

this view all interested among the villagers heartily concurred, and at the unanimous request of the incorporators, Mr. Walker has formally deeded the property to the University for the use of the Academy. By this act the Academy gains property to the value of \$15,000, including the library building and about 2,500 volumes. The village has all the privileges in the library it had before;—any villager may use it on the payment of the nominal fee of one dollar a year, and the library trustees still have a voice in the choice of books. But a still greater advantage will accrue to

the village from the following provision: In return for the property acquired, the Academy agrees to award each year five whole scholarships and ten half-scholarships to children of residents of Morgan Park. The whole scholarship covers the entire cost of tuition, and the half-scholarship half the cost of tuition. They are awarded on the basis of character and attainment without regard to pecuniary need. Such a provision cannot fail to stimulate the interest of the young people of the village in higher education and put it in the power of many to secure it.

IMPORTANT OFFICIAL ACTIONS OF THE BOARD OF TRUSTEES.

MARCH MEETING.

The following regulations were made relating to the *establishment of Laboratory Fees*:

1. Any Department doing laboratory work may establish laboratory fees upon application addressed to the Council.

2. The following conditions are to be observed:

- (a) The fact of a fee in connection with any laboratory course must be published at least three Quarters before the date of the course.
- (b) The fee shall be five dollars for a Double Minor and ten dollars for a Double Major, the amount to be payable to the Registrar, credited to the Department and payment to be endorsed on the student's course card.

3. The fees shall be applied in the following ways:

- (a) One half of the deposit in each case to be set aside to the credit of the Department as a regular laboratory fee, the remainder to be held as a deposit against the breakage by the students.
- (b) The student may be called upon to pay for any excess of breakage, or if the deposit be not exhausted may receive credit for the balance.
- (c) Each department shall determine the conditions under which expensive reagents and minor apparatus are to be issued.

4. Under these regulations no distinctions are to be made between Fellows and other Graduate students.

The World's Fair Exhibit of The Standard Oil Company, of New York, which has been given to the University, was transferred to the Field Columbian Museum.

The space in the Walker Museum was divided among the Departments occupying the building.

PROFESSOR T. C. CHAMBERLIN was made Director of the Museums.

The following Curators were appointed:

Associate Professor R. F. Harper, in the Department of Semitic Archaeology.

Assistant Professor Frederick Starr, in the Department of Anthropology.

Professor R. D. Salisbury, in the Department of Geography and Structural Geology.

Assistant Professor George Baur, in the Department of Palæontology.

Dr. E. C. Quereau, in the Department of Palæontologic Geology.

Professor R. A. F. Penrose, in the Department of Economic Geology.

Associate Professor J. P. Iddings, in the Department of Mineralogy and Petrology.

The *Village Library Association*, of Morgan Park, having given to the University the books and furniture of the Village Library and MR. GEORGE C. WALKER having added the gift of the Library building and grounds, the Board accepted these gifts for the use of the Academy and established in the Academy fifteen scholarships, which are to be known as "The George C. Walker Scholarships," and are to be given to the young people residing in Morgan Park.

The University proffered to the *Board of Education, of Chicago*, a scholarship for one student in each of the City High Schools, the scholarship, in each case, to be assigned by the Faculty of the school to which the student belongs.

The Peoria High School Scholarship was established.

The *Columbian Museum* made to the University of Chicago the following generous offer:

"The Department of Anthropology of the Columbian Museum proposes to deposit in the Walker Museum a students' collection made up of duplicates of specimens in the possession of the Museum, in order thus to attract the attention of students to the fuller collections of the Columbian Museum, and to encourage their desire to work on the collections of the Museum."

The Trustees gratefully accepted this offer.

It was voted that the University coöperate with the *Public Library of the City of Chicago* in establishing a delivery station of the Public Library in connection with the General Library of the University of Chicago; it being understood:

- 1) That the Public Library shall be at no expense for the administration of the station.
- 2) That it shall be allowed to conform to its charter regulations; namely: to designate its property by exposing somewhere in the University Library the sign of the Public Library.

ESTABLISHMENT OF SCHOLARSHIPS.

- 1) *Eight Academic Scholarships*, each yielding a sum equal to the tuition fees, two of these scholarships to be awarded at the beginning of each Quarter; one to the young man and one to the young woman who passes the best examination, the scholarships to be available for one year from the time of award.
- 2) *Twelve University Scholarships*, each yielding a sum equal to the tuition fees, these scholarships to be awarded to those students who have completed, with honor, a course of study in the Academic Colleges of the University in accordance with regulations to be established by the Faculty of Arts, Literature, and Science.
- 3) *Twenty Graduate Scholarships*, each yielding a sum equal to the tuition fees, and to be awarded to those who have completed a course of study in one of the University Colleges of the University, in accordance with regulations to be established by the Faculty of Arts, Literature, and Science.
- 4) It is understood that students receiving these scholarships shall be expected to render assistance in the Libraries, Laboratories, and Museums, in amount to be determined by the Board of Libraries, Laboratories, and Museums, and that the names of such students shall be announced from time to time in the proper places as holders of Academic, University, and Graduate scholarships.

PROMOTIONS AND NEW APPOINTMENTS TO THE UNIVERSITY

DURING THE QUARTER ENDING MARCH 31, 1894.

A. OFFICERS OF INSTRUCTION.

1. Of Members and Graduates of the University:

JUDSON, HARRY PRATT, Professor, to the Head Professorship of the Department of Political Science.

ABBOTT, FRANK F., Associate Professor, to a Professorship in the Department of Latin.

TARBELL, FRANK B., Associate Professor, to the Professorship of Classical Archæology and Greek Epigraphy.

BUCK, CARL D., Assistant Professor, to an Associate Professorship in the Department of Sanskrit and Indo-European Comparative Philology.

CUTTING, STARR W., Assistant Professor, to an Associate Professorship in the Germanic Department.

HENDERSON, CHARLES R., Assistant Professor, to an Associate Professorship of Sociology in the Divinity School.

JOHNSON, FRANKLIN, Assistant Professor, to an Associate Professorship of Church History and Homiletics in the Divinity School.

MCCLINTOCK, WILLIAM D., Assistant Professor, to an Associate Professorship in English Literature.

TUFTS, JAMES H., Assistant Professor, to an Associate Professorship in the Department of Philosophy.

GROSE, HOWARD B., Instructor, to a University Extension Assistant Professorship in History.

MILLER, FRANK J., Instructor, to an Assistant Professorship in Latin.

SCHMIDT-WARTENBERG, H., Instructor, to an Assistant Professorship in German.

BRONSON, FRANK M., Instructor, to an Academy Assistant Professorship in Greek.

CORNISH, ROBERT H., Instructor, to an Academy Assistant Professorship in Natural Sciences.

HILL, WILLIAM, Tutor, to an Instructorship in Political Economy.

WATASÉ, S., Tutor, to an Instructorship in Cellular Biology.

YOUNG, J. W. A., Tutor, to an Instructorship in Mathematics.

CALDWELL, ERNEST L., Tutor, to an Academy Instructorship in Mathematics.

CHASE, WAYLAND J., Tutor, to an Academy Instructorship in English Branches.

ROBERTSON, LUANNA, Tutor, to an Academy Instructorship in German.

LINGLE, DAVID J., Assistant, to an Instructorship in Physiology.

CLARK, S. H., Reader, to an Instructorship in Elocution.

HOBBS, GLEN M., Assistant, to a Tutorship in Physics.

LEWIS, EDWIN H., Assistant, to a Tutorship in English Literature.

VEBLEN, THORSTEIN B., Reader, to a Tutorship in Political Economy.

VOTAW, CLYDE W., Reader, to a Tutorship in Biblical Literature.

OWEN, WILLIAM B., Fellow, to a Tutorship in Greek.

SHEPARDSON, FRANCIS W., Reader, to an Assistantship in History.

CONGER, CHARLES T., Docent, to an Assistantship in History and Political Geography.

BREASTED, JAMES H., non-resident Fellow, to an Assistantship in Egyptology in the Department of Semitic Languages and Literatures.

POYEN-BELLISLE, RENÉ DE, Fellow, to an Assistantship in Romance Philology.

REYNOLDS, MYRA, Fellow, to an Assistantship in English Literature.

VINCENT, GEORGE E., Fellow, to an Assistantship in Sociology.

WALLACE, ELIZABETH, Docent, to a Readership in Spanish and Spanish-American Institutions.

CUMMINGS, JOHN, Fellow, to a Readership in Political Economy.

THOMAS, WILLIAM I., Fellow, to do service in the Department of Sociology.

2. *Of Members of other Institutions:*

DEWEY, JOHN, Professor of Philosophy in the University of Michigan, to the *Head Professorship of Philosophy*.

MATHEWS, SHAILER, Professor of History in Colby University, to an *Associate Professorship of New Testament History and Interpretation in the Divinity School*.

MONCRIEF, J. W., Professor of History in Franklin College, to an *Assistant Professorship in Church History in the Divinity School*.

FREUND, ERNEST, Columbia College, New York, to an *Instructorship in Jurisprudence and Roman Law*.

B. OFFICERS OF GOVERNMENT.

JUDSON, HARRY PRATT, to the *Deanship of the Faculty of Arts, Literature, and Science, and as such, to the Deanship of the Graduate School of Arts and Literature*.

CHAMBERLIN, THOMAS C., to the *Directorship of the Walker Museum*.

SALISBURY, ROLLIN D., to the *Deanship in the University Colleges*.

BUTLER, NATHANIEL, JR., to the *Directorship of the University Extension Division*.

HENDERSON, CHARLES R., to the *University Chaplainship*.

TOLMAN, ALBERT H., to an *Assistant Examinership*.

GROSE, HOWARD B., to the *University Recordship and the Registrar*.

ZEUBLIN, CHARLES, to the *Secretaryship of the Lecture-Study Department of the University Extension Division*.

APPOINTMENT OF MEMBERS AND GRADUATES OF THE UNIVERSITY
IN OTHER INSTITUTIONS.

JOHNSON, H. P., PH.D., '94, Fellow in Biology, '92-4; appointed *Instructor in Biology*, Des Moines College, Des Moines, Iowa.

MORITZ, ROBERT EDWARD, S.B., Student in Mathematics, '92-3; appointed *Professor of Mathematics*, Hastings College, Hastings, Neb.

WHALEY, JOHN BYRD, A.B., Student in Semitic Languages and Literatures, '92-4; appointed Pro-

fessor of Hebrew and Biblical Literature in Western Maryland College, Westminster, Md.

LATHE, AGNES M., A.M., '94, Graduate Student in English, '93-4; appointed *Instructor in English Literature*, in Woman's College, Baltimore.

SMITH, RALPH PARSONS, PH.B., Graduate Student in German, '92-4, appointed *Instructor in German*, at the University of Illinois.

RECENT PUBLICATIONS.

The following list enumerates recent publications by those who have been or are now members of this University. It is printed for the interest of their colleagues or friends, and is not supposed to be complete:

- ARNOLT, W. MUSS.** Semitic Words in Latin and Greek. (New York: B. Westermann & Co., pp. 122; 8vo). Reprinted from *Transactions of the American Philological Association*, Vol. XXIII.
- The Cuneiform account of the Creation and the Deluge. Revised translation. (pp. 21; 8vo). Reprinted from *The Biblical World*, Vol. III., pp. 17-27 and 109-118. (Chicago, 1894).
- REVIEW OF:**
- Rheinisches Museum, Vol. XLVI. (*American Journ. Philol.*, XIV., 342-95, 516-19); and of *Journal Asiatique*, Vols. XIX and XX. (*Ibid.*, XIV, 510-16).
- BAUR, GEORGE.** Notes on the Classification and Taxonomy of the Testudinata. (*Proc. Amer. Philos. Soc.*, Vol. XXXI., pp. 210-225; 1893). Reprint.
- Notes on the Classification of the Cryptodira. (*Amer. Naturalist*, July, 1893; pp. 672-674). Reprint.
- Two new species of North American Testudinata. (*Amer. Naturalist*, July, 1893; pp. 675-676). Reprint.
- Further Notes on American Box-tortoises. (*Amer. Naturalist*, July, 1893; pp. 676-678). Reprint.
- G. Jaeger und die Theorie von der Continuität des Keimprotoplasmas. (*Zoolog. Anzeiger*, 1893, No. 425).
- Über Rippen und ähnliche Gebilde und deren Nomenclatur. (*Anatom. Anzeiger*, IX.; Jahrg., 1893, No. 4, pp. 116-120).
- The Discovery of Miocene Anyhisbaenians. (*Amer. Naturalist*, Nov., 1893, pp. 998-999).
- The Experimental Investigation of Evolution: Review of the De Varigny's "Experimental Evolution." (*The Dial*, May 1, 1893).
- BEMIS, E. W.** Municipal Gas Works. (*Chautauquan*, Oct., 1892). Recent Results of Municipal Gas-Making in the United States. (*Review of Reviews*, Feb., 1893).
- The Discontent of the Farmer. (*The Journal of Political Economy*, March, 1893).
- REVIEW OF:**
- Herbert M. Thompson's "Theory of Wages." (*Ibid.*, March, 1893).
- "Report of the twenty-fifth annual Trades Union Congress of Great Britain." Manchester Coöperative Printing Society. Limited. (*Ibid.*, March, 1893).
- "The twenty-fourth annual Coöperative Congress of Great Britain;" Report published by the Coöperative Union, Limited, Manchester. (*Ibid.*, March, 1893).
- N. P. Gilman's "Socialism and the American Spirit." (*Ibid.*, June, 1893).
- T. W. Bushill's Profit-Sharing and the Labor Question. New York: Charles Scribner's Sons, 1893. (*Ibid.*, Sept., 1893).
- Arthur F. Bentley's Condition of the Western Farmer as illustrated by the Economic History of a Nebraska Township. Baltimore: The Johns Hopkins Press. (*Ibid.*, Sept., 1893);
- Gray's Stellung der Privaten Beleuchtungsgesellschaften zu Stadt und Staat. (*Political Science Quarterly*, March, 1894).
- Eighth annual report of the Board of Gas and Electric Light Commissioners of Massachusetts. (*Journal of Political Economy*, March, 1894).
- Report on Charges against Gas Companies in Massachusetts. (*Ibid.*, March, 1894).
- Problems of Municipal Reform. (*The Dial*, March 16, 1894).
- Recent Tendencies in Economic and Social Science. (*The Dial*, Nov. 1, 1893).
- Local Government in the South and the Southwest. (*Studies in History and Politics*). Baltimore: The Johns Hopkins Press, 1893.
- The Silver Situation in Colorado. (*Review of Reviews*, Sept., 1893).
- BOLZA, OSKAR.** Review of "The Theory of Substitution and its Applications to Algebra," by Dr. Eugene Netto, Professor of Mathematics in the University of Giessen. Revised by the author and translated with his permission by F. N. Cole, Ph.D., Assistant Professor of Mathematics, University of Michigan. (*Bulletin of the New York Mathematical Society*, Feb., 1893).
- Correction to previous article. (*Ibid.*, May, 1893).
- On the Transformation of Linear Differential Equations of the second order with Linear Coefficients. (*American Journal of Mathematics*, July, 1893).
- Ueber Kronecker's Definition der Gruppe einer Gleichung. (*Mathematische Annalen*, Band 42, p. 253).
- Ueber die linearen Relationen zwischen den zu verschiedenen singulären Punkten gehörigen Fundamentalsystemen von Integralen der Riemann'schen Differentialgleichung. (*Ibid.*, Vol. 42, p. 528).
- BOWNOCKER, JOHN A.** Reviews of Geikie's Glacial Period and the Earth Movement Hypothesis; C. Reid's The Climate of Europe during the Glacial Epoch; and W. Upham's The Age of the Earth. (*Journal of Geology*, Feb.-March, 1893).
- BOYD, JAMES H.** A study of certain special cases of the Hypergeometric Differential Equation. (*Annals of Mathematics*, 1893, pp. 145-186).
- Thesis for the degree of Doctor of Philosophy in Princeton College.
- BUCK, CARL D.** Italic Languages (*Johnson's Universal Cyclopaedia*).
- Do the non-labialized Velars suffer dentalization in Greek? (*Brugmann and Streitberg's Indogermanische Forschungen*, Vol. IV.).
- The Tuto-European root *sta* 'stand' in Italic (abstract in *Transactions of the American Philological Association*, Vol. XXIV.).
- BURGESS, ISAAC B.** The Morgan Park Academy and the need of good preparatory schools in the West. (*Standard*, Chicago, Feb. 22, 1893).
- and HARPER, W. R. Inductive studies in English Grammar. Second edition, revised and enlarged. (American Book Co., New York, Chicago, and Cincinnati). Cloth 12mo., pp. 96; 40 cents.
- The History and meaning of the admission requirements of the University of Chicago. (*Current Topics*, March, 1893).

- BURNHAM, S. W. Observations with the thirty-six and twelve-inch refractors of the Lick Observatory from August, 1888, to June, 1892. (*Publications of the Lick Observatory*). Vol. II., 1894; cloth, 4to.; pp. 255. Printed by authority of the Regents of the University of California.
- The motion of ζ Cancri. (*Monthly Notices of the Royal Astronomical Society*, Vol. LIII., p. 40).
- The New Star in Aurigae. (*Ibid.*, Vol. LIII., p. 58).
- The Binary Star Σ 1785. (*Ibid.*, Vol. LIII., p. 60).
- The Orbit of τ Cygni. (*Ibid.*, Vol. LIII., p. 439).
- The Motion of Σ 1819. (*Ibid.*, Vol. LIII., p. 474).
- The Orbit of 40 Eridani, Σ 518. (*Ibid.*, Vol. LIII., p. 478).
- The Orbit of Sirius. (*Ibid.*, Vol. LIII., p. 482).
- The Orbit of γ Andromedæ. (*Ibid.*, Vol. LIV., p. 119).
- The Double Star O Σ 224. (*Astronomy and Astro-Physics*, Vol. XI., p. 661).
- The Double Star Σ 1216. (*Ibid.*, Vol. XI., p. 662).
- The Proper Motion of Σ 1604. (*Ibid.*, Vol. XI., p. 870).
- The Proper Motions of Double Stars. (*Ibid.*, Vol. XIII., p. 14).
- Orbit of 9 Argus. (*Ibid.*, Vol. XIII., p. 290).
- The Poulkowa Double Star Measures. (*Ibid.*, Vol. XIII., p. 354).
- The Proper Motion of Procyon. (*Ibid.*, June, 1894).
- How to find the Orbit of a Double Star by a Graphical Method. (*Popular Astronomy*, Feb. and April, 1894).
- Professor Edward Emerson Barnard, the Astronomer. (*Harper's Magazine*, Sept., 1893).
- BURTON, ERNEST D. Syntax of the Moods and Tenses in New Testament Greek. Second edition, revised and enlarged. (University Press of Chicago, 1893; cloth; large 12mo; pp. XXII and 215.).
- and STEVENS, WM. A. A Harmony of the Gospels for historical Study. An Analytical Synopsis of the four Gospels in the version of 1881. (Boston: Silver, Burdette & Co., 1894; cloth, 12mo., pp. XII and 238).
- The Conversion of Saul. (*The Biblical World*, Jan., 1893).
- An ancient letter somewhat modernized. (*Ibid.*, Oct., 1893).
- Reviews and editorials in *The Biblical World*, 1892-94.
- BUTLER, NATHANIEL. University Extension Syllabus No. 1, English Literature.
- University Extension Syllabus No. 38, Some Studies in American Literature.
- Aims and Methods in the Study of Literature. (*Intelligence*, Chicago, May, 1893, p. 131).
- Inter-Collegiate University Extension. (*University Extension World*, Vol. II., No. 6, p. 211).
- University Extension and the University of Chicago. (*University Extension*, Philadelphia, Vol. III., No. 8, p. 245).
- University Extension and its Mission. (*The American Standard*, Chicago, June, 1894).
- Suggestions to University Extension Local Committees. (*University Extension World*, Vol. I., No. 2, p. 39).
- Students' Clubs. (*Ibid.*, Vol. I., No. 3, p. 61).
- Forming Plans in Advance. (*Ibid.*, Vol. I., No. 4, p. 77).
- The Development of a Centre. (*Ibid.*, Vol. I., No. 6, p. 113).
- BRECKENRIDGE, R. M. Translation of "Plan of Tax Reform in Prussia," from the Bulletin de statistique et de législation comparée, Dec., 1892. (*Journal of Political Economy*, March, 1893).
- BRIDGE, J. L. Ueber die Aether des Chinonoxims; p. Nitrosophenols. (*Liebig's Annalen der Chemie*, Vol. 277, pp. 79-104).
- CALDWELL, WILLIAM. The Epistemology of Eduard von Hartmann. (*Mind*, April, 1893).
- REVIEW OF:
- "Der menschliche Weltbegriff." By Dr. Richard Avenarius Zurich, 1892. (*Philosophical Review*, May, 1892).
- Dr. Eugen von Philippovich's Grundriss der Politischen Oekonomie. (*Journal of Political Economy*, March, 1893).
- E. Levasseur "La France et ses Colonies." Paris. (*Ibid.*, June, 1893).
- Jas. Bonar's Philosophy and Political Economy in some of their historical Relations. (*Ibid.*, Sept., 1893).
- Ed. Cannan, "A History of the Theories of Production and Distribution in English Political Economy, from 1776 to 1848. London: Percival & Co., 1893;" (*ibid.*, Dec., 1893).
- El. Lamond, "A Discourse of the Common Weal of this Realm of England. First printed in 1581, and commonly attributed to W. S." Cambridge University Press, 1893. (*Ibid.*, Dec., 1893).
- Cora Linge. An Introduction to the Study of Political Economy. Transl. by Louis Dyer. London. 1893. (*Ibid.*, March, 1894).
- Julius Lehr. Grundbegriffe und Grundlagen der Volkswirtschaft zur Einführung in das Studium der Staatswissenschaften. Leipzig, 1893. (*Ibid.*, March, 1894).
- Karl Büches. Die Entstehung der Volkswirtschaft. Tübingen, 1893. (*Ibid.*, March, 1894).
- Douglas E. Fawcett. "The Riddle of the Universe." London, 1893. (*International Journal of Ethics*, July, 1894).
- CAPPS, EDWARD. The Stage in the Greek Theatre according to the Extant Dramas. Inaugural Dissertation. (*Transactions of the Am. Philological Assoc.*, Vol. XXII., 1891).
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IMPORTANT UNIVERSITY EVENTS.

DAY OF PRAYER FOR COLLEGES.

JANUARY 25.

The Divisions of the University met at 11 A.M., as follows :

1. The Students of the Graduate School of Arts, Literature, and Science, in *Chapel, Cobb Lecture Hall*. Address by HEAD PROFESSOR ALBION W. SMALL on *The Essential Man*.
2. The Students of the Divinity School, in *Lecture Room, Cobb Lecture Hall*. Address by HEAD PROFESSOR THOMAS C. CHAMBERLIN, on *Unrecognized Religiousness*.
3. The University Colleges, in *Faculty Room*. Address by ASSISTANT PROFESSOR J. H. TUFTS on

The Old and the Present Significance of the Day of Prayer for Colleges.

4. The Academic Colleges, in *Theatre, Kent Chemical Laboratory*. Address by ASSOCIATE PROFESSOR N. BUTLER, on *The Universe a Cosmos of Beneficence*.

In the afternoon at 3:00 o'clock all the Divisions of the University met in *Theatre, Kent Chemical Laboratory*. Addresses were delivered by the REV. FRANK W. GUNSAULUS, D.D., President of the Armour Institute, and by BISHOP VINCENT.

WASHINGTON'S BIRTHDAY.

FEBRUARY 22.

GOVERNOR WILLIAM MCKINLEY, of Ohio, delivered an address before the members of the University, at 11:00 A.M., in the *Theatre of Kent Chemical Laboratory*.

President Harper opened the exercises by announcing the hymn "America." This was followed by prayer by the Rev. Dr. Crandall. Then President Harper, introducing Governor McKinley, spoke as follows :

"The basis of true patriotic feeling is, of course, intelligence. Without any question, the intelligence of the citizens of our country must have its hope, so far as the cultivation of it is concerned, in the school system of our country, if we may be said to have a school system. The character of this school system has always been determined by the work and by the spirit of the universities. It is very appropriate, therefore, that on this day we, as a university, should celebrate, that we should make every legitimate effort to cultivate here the spirit of patriotism. And it is a sincere pleasure to be able to present to you this morning one, certainly, of the most illustrious citizens of our great country. You will appreciate the fact that he must speak today three times, and you will join with me in expression of our appreciation of his courtesy and kindness in consenting to thus address us this morning. Governor McKinley will now address us."

Governor McKinley's Address.

MR. PRESIDENT, LADIES AND GENTLEMEN :

It gives me sincere pleasure to meet with the faculty and students of the University of Chicago, at once almost the youngest and yet one of the greatest universities of our country. We have never quite forgiven Dr. Harper for having left Ohio, but our regret is somewhat lessened when we stop to reflect that the whole country now has his splendid culture and his wide experience as a teacher. But the truth is there is a good deal of Ohio in the University. I doubt very much if you would ever have had it if it had not been for an Ohio man.

Today, as suggested by your President, is suggestive of the government and of its early history. There is no country in the world where so much depends upon the people as here in the United States. Here the people are supreme, and the popular will when once spoken changes policies and measures and administrations. It is therefore all the more important that the citizenship which controls this country should be an educated citizenship. They say sneeringly that here we count heads. True, we do count heads, but we count brains also, and the average sense of 63,000,000 of free people is safer and wiser and

better than the sense of any one person born of nobility or possessing sovereignty by inheritance.

There is no country in the world that presents such magnificent opportunities to the people as we have here. There is nothing that is not within the reach of the honest and industrious and educated young man. There is no station to which he cannot aspire, there is no goal in human affairs that he cannot reach, if he has the requisite intelligence and, what is equally important, the requisite character. For after all, no matter how much we know, if we have not a good conscience, void of offense, we have not the essential equipment for success.

This government has never done so well as it has professed; that is, it has not lived up to its principles. Individuals, like nations, rarely measure up to their purposes or their opportunities or their declared principles; but it is always well to have an ideal before us, and if we cannot realize all of it at once, we will be constantly approaching toward it, and that ideal will always be a monitor to guide us.

The Declaration of Independence, which sounded the voice of liberty to all mankind, was in advance of the thought of the great body of the people, and yet it stirred in the hearts and consciences of the colonists the feeling for independence and self-government that at last made a Republic that has lived for more than a hundred years, and which today, more than any other government on earth, represents the hope and the future of mankind. And it is that government, young gentlemen, that it is your business to keep and preserve.

The real secret of getting along in this world is the knowing of some thing, or some things, better than anybody else knows them, and the man who possesses that superior knowledge, no matter what profession he may enter, no matter what calling he may choose—that man is bound to succeed. And with the splendid

opportunities furnished by a university of this character, and other universities all over the country, there is no reason why the young men of the present generation should not surpass the men of the past generation.

I remember with pride, as you will recall with pride and pleasure, what splendid possibilities have been presented in this country of ours, and what has been realized by young men in this country—young men not favored by fortune, young men not born amid opulent surroundings, but the poor young men of this country. I think the poor young men of this country are the hope of this country, because they have got the spur of necessity. We have got so many magnificent examples—Lincoln and Garfield, for instance—and I never speak of these two names without recalling that eulogy paid to Lincoln by his successor, General Garfield, in the Congress of the United States, when he closed with these words:

"Divinely gifted man,
Whose life in low estate began,
And on a village green;

Who breaks his birth's invidious bar,
And grasps the skirts of happy chance,
And breathes the blows of circumstance,
And grapples with his evil star;

Who makes by force his merit known
And lives to clutch the golden keys,
To mould a mighty state's decrees,
And shape the whisper of the throne;

And moving up from high to higher,
Becomes on Fortune's crowning slope
The pillar of a people's hope,
The center of a world's desire."

I am glad, ladies and gentlemen, to meet you, and wish for you all, individually and collectively, the greatest success, and the realization, the full realization, of all the hopes of your young manhood and young womanhood.

MEETING OF THE SEVERAL SCHOOLS OF THE UNIVERSITY, WITH THEIR ADMINISTRATIVE BOARDS.

CHAPEL OR FACULTY ROOM, COBB LECTURE HALL, WEDNESDAYS, AT 12:30 P. M.

By order of the Council the usual Chapel exercise has been omitted each Wednesday, the several schools meeting on that day of the week with their respective administrative boards. The following meetings have been held from January 10 to March 28, 1894:

1. GRADUATE SCHOOL OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of

the Graduate School of Arts and Literature, and of the Ogden (Graduate) School of Science, on the first Wednesday of the month, viz.:

January 10.* Address by the PRESIDENT on *Questions in reference to Graduate Study.*

February 7. Address by HEAD PROFESSOR G. W. HALE on *the Character of Graduate Study.*

* During the month of January the meetings were postponed one week.

- March 7. Addresses by PROFESSORS STRONG, ABBOTT, and DONALDSON on *the Character of the Doctor's Thesis*.
2. DIVINITY SCHOOL STUDENTS met with the members of the Divinity Faculty on the second Wednesday of the month, viz.:
- January 17. Address by ASSOCIATE PROFESSOR JOHNSON on *the Importance of Physical Culture*.
- February 14. Addresses by the PRESIDENT and PROFESSORS HULBERT and BURTON on *Encouraging Elements in the Work of the Divinity School*.
- March 14. Address by PRESIDENT HARPER on *the Divinity Houses and the English Theological Seminary*.
3. UNIVERSITY COLLEGES OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the University Colleges on the third Wednesday, viz.:
- January 24. Address by HEAD PROFESSOR CHAMBERLIN on *the Distribution and Selection of Studies*.
- February 21. Addresses by HEAD PROFESSOR JUDSON on *College Life*, and ASSOCIATE PROFESSOR TUFTS on *the Choice of Studies*.
- MARCH 21. Address by HEAD PROFESSOR JUDSON on *the Dignity of a Positive Personal*.
4. ACADEMIC COLLEGES OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the Academic Colleges on the fourth Wednesday, viz.:
- January 31. Address by the PRESIDENT on *Plans and Purpose of the Meeting*.
- February 28. Address by HEAD PROFESSOR JUDSON on *What Training Signifies*.
- March 28. Address by PROFESSOR SHOREY on *the Study of the Classics*.

UNIVERSITY EXTENSION CONFERENCE.

MARCH 26 and 27, 1894.

The first annual Conference of University Extension workers in the Mississippi Valley was held at the University, March 26 and 27, 1894, representatives being present from twenty centres in Illinois, Indiana, Iowa, and Minnesota. These guests were entertained in the halls of the University, the meetings of the Conference being held in Cobb Hall, the events of a social nature being in Kelly and Beecher.

The first session opened at 2:30 Monday afternoon, when President Harper made the address of welcome. He was followed by Associate Professor Butler, who prepared the way for the discussions by a review of the present state of University Extension in America. Professor Moulton then gave the principal address of the day, "The Function of Local Committees in Securing Study in Connection with University Extension Lectures." This led to considerable discussion by Mr. Hunter, of the Newberry Library Centre, Mr. W. W. Davis of Sterling, Illinois, and others.

On Monday evening the visitors were tendered a reception in Beecher Hall, a violin solo by Mr. C. K. Chase, of the University, being one of the pleasing features. No session of the Conference was more valuable in its results than this, in promoting mutual acquaintance and indicating the community of interest in University Extension work.

The Conference closed Tuesday noon, after a very important session, which was devoted to hearing

reports from the various centres, and to answering questions and clearing up difficulties which had grown out of the experience of the organizers in attendance.

The facts brought to light in these meetings, and the general results of them, were most gratifying to the promoters of University Extension work. Each participant carried away a clearer notion of University Extension, a firmer resolution to take up the work at home with earnestness, not as a method which designs to supersede long established forms of instruction, but as an agency for the distribution of learning which has an important place to fill in carrying to the people sound instruction in history, literature, natural science, politics, social science, and other subjects of general interest.

The Conference emphasized again the cordial relation existing between the University and the centres scattered through the several States. An intimate personal interest in the affairs of the University, and an appreciation of its advantages has resulted in the minds of men and women in many towns and cities of the Northwest, such as it seems might not have been produced for many years, if at all, had not the University been brought into close contact with these communities through the medium of University Extension. And it is beyond question, that a considerable number of students have been directed toward

the University, and encouraged to higher things, by the stimulus imparted to them by the University Extension lecturer.

Besides other visitors, delegates from centres were in attendance as follows:

All Souls, Mrs. Lackersteen.
Chicago Kindergarten Club, Miss Mary J. Miller, Mrs. Gray.
Newberry Library, Mr. George Leland Hunter.
Dubuque, Iowa, Miss Emma E. Gehrig, Miss Sue W. Hetherington.
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CHICAGO SOCIETY OF BIBLICAL RESEARCH.

The Sixth Session was held in the *Faculty Room of Cobb Lecture Hall*, on March 17, 1894, at 2:45 p.m. The chair was occupied by Professor E. Conant Bissell, President. The Society was led in prayer by Professor H. M. Scott. Members present were: W. Muss-Arnolt, E. Conant Bissell, C. F. Bradley, Ernest D. Burton, A. S. Carrier, Ives S. Curtis, G. H. Gilbert, E. J. Goodspeed, E. T. Harper, W. R. Harper, J. E. Hermann, Emil G. Hirsch, I. M. Price, H. M. Scott, M. S. Terry, C. W. Votaw, R. F. Weidner, A. C. Zenos. As guests of the Society, Professor R. F. Harper and the students of the Semitic and New Testament Departments of the University, were present.

Officers for the past year:

Prof. E. Conant Bissell, President.
Prof. E. D. Burton, Vice President.
Prof. G. H. Gilbert, Secretary.

Officers for next year:

Prof. C. T. Bradley, President.
Prof. A. S. Carrier, Vice President.
Prof. G. H. Gilbert, Secretary.

Papers presented were:

Some Proposed Emendations and New Interpretations of the Text of the Epistle of St. James, by W. MUSS-ARNOLT.

The Supposed Documents of Genesis and the Cross-References, by E. CONANT BISSELL.

The papers were of great interest, and were followed by animated discussion until the hour of supper had arrived. The meeting showed a growing interest in the Society on the part of its members, though from the first its sessions have been well attended.

The Society and guests dined with President Harper at half past five.

The University (Proper.)

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A, B, C, D, in parentheses, refer to the floors of Cobb Lecture Hall.

Numerals indicate the numbers of rooms.

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VOTAW, CLYDE WEBER, <i>Tutor.</i> (D. 10-12)	Hotel Barry.	WILLIAMS, WARDNER, <i>Assistant.</i>	5812 Drexel av.
WAIT, W. W., <i>Trustee.</i>	124 Washington Boulevard.	WISHART, A. W., <i>Lecturer.</i> (A. 5)	5825 Kimbark av.
WALCOTT, CHARLES DOOLITTLE, <i>Prof.</i> (W.)	Washington, D. C.	WOLD, THORE OLSEN, <i>Instr.</i>	Morgan Park.
WALKER, ARTHUR TAPPAN, <i>Fel.</i>	5810 Drexel av.	WOOD, F. A., <i>Fel.</i>	623, 55th st.
WALKER, DEAN AUGUSTUS, <i>Fel.</i>	18 G.	WOODRUFF, CHARLES E., <i>Fel.</i>	146 D.
WALKER, GEORGE C., <i>Trustee.</i>	567 The Rookery; 228 Michigan av.	YOUNG, J. W. A., <i>Instr.</i> (R.)	5758 Washington av.
WALLACE, ELIZABETH, <i>Reader.</i> (B. 12-16)	7 and 8 B.	ZEUBLIN, CHARLES, <i>Instr.</i> (A. 5).	5134 Wabaah av.
WALLIN, MADELEINE, <i>Fel.</i>	32 B.		

* On leave of absence.

CLASSIFICATION AND DIRECTORY OF STUDENTS IN ATTENDANCE, SPRING QUARTER, 1894.

ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Halls.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Alden, George Henry,	S.B. (<i>Carleton College</i>) '91; A.B. (<i>Harvard College</i>) '93. History, Political Science. 2.	Waseca, Minn.	5822 Drexel av.
Archibald, William Laird,	A.B. (<i>Acadia University</i>) '92. Semitic. 5.	Wolfville, N. S.	539, 55th st.
Atkinson, David Clarence,	A.B. (<i>University of Indiana</i>) '93. Social Science. 2.	Atkinson, Ind.	5656 Washington av.
Baker, Ethel,	Ph.B. (<i>Northwestern Univ.</i>) '93. Philosophy. 5.	Chicago.	3543 Lake av.
Barrett, Don Carlos,	A.B. (<i>Earlham College</i>) '89; A.M. (<i>Ibid.</i>) '93. Political Economy, Political Science. 2.	Richmond, Ind.	5754 Washington av.
Barrett, Marcia Frances,	S.B. (<i>Earlham College</i>) '89. English, Social Science. 2.	Richmond, Ind.	5754 Washington av.
Berry, George Ricker,	A.B. (<i>Colby University</i>) '85; A.M. (<i>Ibid.</i>) '88. Semitic. 5.	West Sumner, Me.	875, 35th st.
Blaine, Harriet Gertrude,	A.B. (<i>Oberlin College</i>) '90. Greek, Latin. 2.	Oberlin, O.	39 F.
Blakely, William Addison,	Ph.B. (<i>Healdsburg College</i>) '86; Ph.D., '90; LL.B. (<i>University of Michigan</i>) '91; Political Science, History. 2.	Chicago.	5726 Drexel av.
Bowen, Mary,	Ph.B. (<i>Iowa College</i>) '93. English. 2.	Centerville, Ia.	26 F.
Boyd, Charles Samuel,	S.B. (<i>Lawrence University</i>) '93. Social Science, Political Economy. 2.	Appleton, Wis.	32 G.
Brainard, Harriet C.,	Ph.B. (<i>Cornell University</i>) '76. English, Neurology. 3.	Chicago.	1301 Wabash av.
Bray, Jeremiah Wesley,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 2.	Chicago.	5709 Drexel av.
Brown, Frances Chamberlain,	A.B. (<i>Smith College</i>) '82; A.M. (<i>Ibid.</i>) '85. Political Science, Political Economy. 5.	Winchester.	8 B.
Buckley, Edmund,	A.M. (<i>University of Michigan</i>) '84. Comparative Religion. 2.	Rochester, N. Y.	268, 55th st.
Campbell, Calvin Victor,	A.B. (<i>Victoria University</i>) '90. Philosophy, Neurology.	Ottawa, Ont.	5724 Drexel av.
Carpenter, Frederic Ives,	A.B. (<i>Harvard University</i>) '85. Greek, English. 5.	Chicago.	5515 Woodlawn av.
Carpenter, Nancy Jennette,	A.B. (<i>Cornell College</i>) '85; A.M. (<i>Ibid.</i>) '88. English, German. 3.	Missouri Valley, Ia.	5604 Monroe av.
Carrier, Augustus Stiles,	A.B. (<i>Yale University</i>) '79. Semitic. 4.	Chicago.	1042 N. Halsted st.
Cary, Antoinette,	S.B. (<i>University of Chicago</i>) '93. Social Science. 2.	Elyria, O.	5 Kl.
Catterall, Ralph C. H.,	A.B. (<i>Bucknell University</i>) '91, (<i>Harvard University</i>) '92. History, Political Economy. 4.	Watsonstown, Pa.	438, 57th st.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Greek. 2.	Nashville, Tenn.	5614 Drexel av.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Clark, Hannah Belle	A.B. (<i>Smith College</i>) '87. Social Science, History. 5.	Chicago.	5312 Madison av.
Conger, Charles Thompson,	A.B. (<i>University of Minnesota</i>) '90. Geography, Political Science. 3.	Minneapolis, Minn.	21 G.
Crandall, Regina Katherine,	A.B. (<i>Smith College</i>) '90. History. 2.	Brooklyn, N. Y.	48 B.
Crotty, Millia Alice,	A.B. (<i>University of Kansas</i>) '92. English. 2.	Burlington, Kans.	36 B.
Cummings, John,	A.B. (<i>Harvard College</i>) '91; A.M. (<i>Ibid.</i>) '92. Political Economy. 2.	Lynn, Mass.	16 G.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. 5.	Talladega, Ala.	21 B.
Daniels, Mary Lucretia,	A.B. (<i>University of Chicago</i>) '94. Greek.	New Haven, Conn.	Foster Hall.
Davies, Anna Freeman,	A.B. (<i>Lake Forest University</i>) '89; A.M. (<i>Ibid.</i>) '91. Social Science. 2.	Lake Forest.	214, 53d st.
Davies, Martha Blanche,	A.B. (<i>University of Omaha</i>) '92. Latin, Greek. 2.	Menlo, Ia.	Morgan Park.
Davis, Walter Scott,	A.B. (<i>DePaul University</i>) '89; A.M. (<i>Cornell University</i>) '92. History, Political Science. 5.	North Salem, Ind.	5722 Kimbark av.
Dickie, Henry,	A.B. (<i>Dalhousie College</i>) '83; (<i>Princeton Theological Seminary</i>) '86. Semitic. 2.	Summerside, P. E. Island, Can.	23 G.
Dodge, Ernest Green,	A.B. (<i>Berea College</i>) '93. Greek, English. 2.	Berea, Ky.	5737 Kimbark av.
Dorman, John Benjamin,	A.B. (<i>Clinton Academy</i>) '85; S.B. (<i>Missouri University</i>) '91; Ph.B. (<i>Ibid.</i>) '91. Political Science, History. 2.	Clinton, Mo.	5558 Drexel av.
Dunn, Arthur William,	A.B. (<i>Knox College</i>) '93. Social Science, History. 2.	Galesburg.	5800 Jackson av.
Durbin, Eva Comstock,	S.B. (<i>Hillsdale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History. 2.	Chicago.	3510 Prairie av.
Dye, Charles Hutchinson,	Ph.B. (<i>Wesleyan</i>) '84. Social Science, Political Science, Political Economy. 1.	Ft. Madison, Iowa.	4851 Drexel av.
Edwards, Thomas Alpheus,	A.B. (<i>Allegheny College</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin, Greek. 1.	Sharon, Pa.	438, 57th st.
Ely, Elizabeth Antoinette,	A.B. (<i>University of Cincinnati</i>) '87; A.M. (<i>Ibid.</i>) '92. Latin, Greek. 5.	Cincinnati, O.	9 Kl.
Emery, Vernon Judson,	A.B. (<i>Ohio State University</i>) '87; A.M. (<i>University of Nebraska</i>) '90. Latin, Greek. 2.	Napoleon, O.	438, 57th st.
Fairfield, George Day,	A.B. (<i>Oberlin College</i>) '88. Romance. 2.	Chicago.	Keene Hotel, 55th st and Ellis av.
Farr, Mary Edith,	A.B. (<i>Colby University</i>) '88. History, Political Science. 2.	Waterville, Me.	42 B.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Latin. 2.	Chicago.	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '91. History, Political Science. 2.	Nashville, Tenn.	6226 Woodlawn av.
Fowler, Frank Hamilton,	A.B. (<i>Lombard University</i>) '90. Comparative Philology. 5.	Bradford.	5810 Drexel av.
France, Wilmer Cave,	A.B. (<i>Cambridge University, England</i>) '92. Latin, Greek. 2.	Tysby, Warwickshire, Eng.	5740 Monroe av.
French, Charles Wallace,	A.B. (<i>Dartmouth College</i>) '79; A.M. (<i>Ibid.</i>) '82. History. 2.	Hyde Park.	5735 Washington av.
Fulcomer, Daniel,	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science. 2.	Grand Rapids, Mich.	
Gilbert, Emma Large,	A.B. (<i>Cornell University</i>) '90. Latin, Greek. 2.	Holicong, Pa.	27 B.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. Semitic. 5.	Chicago.	5630 Kimbark av.
Gordon, William Clark,	A.B. (<i>Yale University</i>) '88; B.D. (<i>Ibid.</i>) '91. Social Science. 2.	Michigan City, Ind.	Michigan City, Ind.
Gow, John Russell,	A.B. (<i>Brown University</i>) '77; D.B. (<i>Newton Theological Institution</i>) '82. Social Science. 5.	Chicago.	275, 52d st.
Grant, George Kuhn,	A.B. (<i>Ottawa University</i>) '91. English. 2.	Ottawa, Kans.	56 Sn.
Grant, Laura Churchill,	A.B. (<i>Vassar College</i>) '92. Political Economy, Polit. Science. 2.	St. Paul, Minn.	12 F.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Hardy, Sarah McLean,	Ph.B. (<i>University of California</i>) '93. Political Economy. 2.	Berkeley, Cal.	37 F.
Harley, Walter Scott,	A.B. (<i>Bucknell University</i>) '87; A.M. (<i>Ibid.</i>) '90. Latin, Greek. 5.	Germantown, Pa.	55th st. and Ellis av.
Hastings, Charles Harris,	A.B. (<i>Bowdoin College</i>) '91. History, Social Science. 2.	Bethel, Me.	438, 57th st.
Henry, William Elmer,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 2.	Greentown, Ind.	5515 Woodlawn av.
Herron, Belva Mary,	L.B. (<i>University of Michigan</i>) '89. Political Economy. 5.	St. Louis, Mo.	4 B.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. Systematic Theology. 9.	Pavilion, Ill.	Fernwood.
Hilliard, Caroline Margaret,	M.L.A. (<i>Ohio Wesleyan University</i>) '76. English. 2.	Peoria.	4525 Oakenwald av.
Hinckley, Frank Erastus,	A.B. (<i>Beloit College</i>) '92. History. 3.	Racine, Wis.	3316 Dearborn st.
Hourwich, Isaac A.,	(<i>Gymnasium. Minsk, Russia</i>) '77; Ph.D. (<i>Columbia College</i>) '93. Political Economy. 1.	Chicago.	358 West 12th st.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '93. Social Science. 2.	Columbus, Ind.	5709 Drexel av.
Hunter, George Leland,	A.B. (<i>Harvard University</i>) '89. Comparative Literature, History. 4.	Hopkinton, Mass.	Hotel Barry.
Irvine, William Franklin,	A.B. (<i>University of Manitoba</i>) '91. Systematic Theology, Social Science. 9.	Yorkville, Ill.	137 D.
Jackson, Grace,	A.B. (<i>Wellesley College</i>) '91. Latin, Greek. 5.	Ft. Wayne, Ind.	15 F.
Johnson, Luther Apelles,	A.M. (<i>Trinity University</i>) '86; Ph.D. (<i>Bethel College</i>) '89. English. 2.	Tehuacana, Texas.	Hotel Barry.
Johnston, William Dawson,	A.B. (<i>Brown University</i>) '93. Social Science. 2.	Kalamazoo, Mich.	4655 Gross av.
Jones, Florence Nightingale,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>State University of Nebraska</i>) '91. Comparative Philology, Latin. 5.	Lincoln, Neb.	155, 53d st.
Jones, Jessie Louise,	A.B. (<i>Doane College</i>) '84. German, Sanskrit, English. 2.	Lincoln, Neb.	155, 53d st.
Jones, Laura Amelia,	A.B. (<i>Wellesley College</i>) '82; A.M. (<i>Ibid.</i>) '91. Semitic, History. 5.	East Orange, N. J.	3 F.
Jude, George Washington,	A.B. (<i>Otterbein University</i>) '91. History, Political Economy. 5.	Sugar Grove, Pa.	623, 55th st.
Kern, Paul Oscar,	(<i>Berlin University, Germany</i>) German. 2.	Chicago.	5442 Monroe av.
Kirkpatrick, George Ross,	A.B. (<i>Albion College</i>) '93. Social Science. 2.	Plainfield, O.	5800 Jackson av.
Knox, Frances Ada,	A.B. (<i>University of Michigan</i>) '82. History, Political Science. 2.	Salem, Oregon.	5755 Rosalie Court.
Korsmeyer, Julia Maria,	A.B. (<i>University of Nebraska</i>) '93. French, German. 2.	Lincoln, Neb.	3715 Langley av.
Lathe, Agnes M.,	A.B. (<i>Smith College</i>) '81. English, Philosophy. 3.	Worcester, Mass.	38 Kl.
Learned, Henry Barrett,	A.B. (<i>Harvard University</i>) '90. History, Political Economy, Social Science. 2.	St. Louis, Mo.	17 G.
Leech, Lillian Jane,	S.B. (<i>Parsons College</i>). English, German.	Des Moines, Iowa.	31 K.
Lewis, Edwin Herbert,	A.B. (<i>Alfred University</i>) '87; Ph.D. (<i>Syracuse University</i>) '92. English, Greek. 5.	Chicago.	6032 Ellis av.
Linscott, Henry Farrar,	A.B. (<i>Bowdoin College</i>) '92. English, German, Comparative Philology. 5.	Chicago.	4000 Drexel boul.
Love, Mary Edith,	Ph.B. (<i>Cornell College</i>) '91. English, Philosophy. 2.	Marion, Ia.	10 F.
MacLean, Murdoch Haddon,	A.B. (<i>Acadia College</i>) '92. History. 2.	Wolfville, N. S.	539, 55th st.
Mallory, Hervey Foster,	A.B. (<i>Colgate University</i>) '90. Semitic. 5.	Aberdeen, S. Dak.	Keene Hotel.
Manchester, Herbert,	A.B. (<i>University of Chicago</i>) '93. Neurology. 2.	Gray's Lake.	U. of C. Weekly office
Markham, Osman Grant,	A.B. (<i>Baldwin University</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin. 2.	Baldwin, Kans.	541, 55th st.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
McCasky, Harriet Louise,	A.B. (<i>Northwestern University</i>) '92. History. 2.	Chicago.	31 B.
Mead, Eugene Adelbert,	Ph.B. (<i>Denison University</i>) '87; Ph.M. (<i>Ibid.</i>) '90. Social Science, Political Science. 2.	Chicago.	5620 Ellis av.
Mezes, Sidney Edward,	A.B. (<i>Harvard University</i>) '90; Ph.D. (<i>Ibid.</i>) '93. Philosophy. 2.	Chicago.	Hotel Barry.
Miller, Roy Newman,	Ph.B. (<i>Albion College</i>) '83. Polit. Science, History, Political Econ- omy. 2.	Mason, Mich.	22 Sn.
Millerd, Clara Elizabeth,	A.B. (<i>Iowa College</i>) '93. Greek, Latin, Archæology. 2.	Chicago.	5763 Madison av.
Milligan, Henry Forsythe,	A.B. (<i>University of Chicago</i>) '93. Philosophy, Biblical Greek.	Chicago.	3719 Rhodes av.
Milliman, Loren Douglas,	A.B. (<i>University of Michigan</i>) '90. English, Philosophy. 5.	Lakeville, N. Y.	539, 55th st.
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '93. Political Science, History. 2.	Elkin, N. C.	6226 Woodlawn av.
Mühlhæuser, Otto,	Ph.D. (<i>Zürich University</i>) '80. English. 2.	Stuttgart, Germany.	102 D.
Mulfinger, George A.,	A.B. (<i>Northwestern University</i>) '85. German, English. 2.	Chicago.	108 Seeley av.
Neff, Theodore Lee,	Ph.B. (<i>Asbury (now DePauw) University</i>) '83; A.M. (<i>DePauw University</i>) '86. Romance Languages. 2.	Iowa City, Ia.	541, 55th st.
Northup, John Eldredge,	A.B. (<i>Drake University</i>) '91. Political Economy, Social Science. 4.	Newton, Ia.	5550 Drexel av.
Ogden, Howard Newton,	A.B. (<i>University of W. Virginia</i>) '81; A.M. (<i>Ibid.</i>) '84; A.M. (<i>Marietta College</i>) '83. English, History, Greek. 2.	Morgantown, W. Va.	5446 Kimbark av.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91. Systematic Theology, Social Science. 9.	Grand Rapids, Mich.	76 D.
Owen, Ernest Jones,	A.B. (<i>Denison University</i>) '93. Semitic, History, Greek. 2.	Newark, O.	449, 55th st.
Owen, William Bishop,	A.B. (<i>Denison University</i>) '87; D.B. (<i>Bap- tist Union Theological Seminary</i>) '91. Comparative Philology, Greek. 5.	Chicago.	5719 Monroe av.
Paden, Thomas Hosack,	A.B. (<i>Muskingum College</i>) '73; A.M. (<i>Ibid.</i>) '76. Political Economy, Sociology.	New Concord, Ohio.	Hotel Barry.
Page, Edward Carlton,	A.B. (<i>Northwestern University</i>) '88. History, English. 2.	Mt. Morris.	405 E. 40th st.
Paschal, George Washington,	A.B. (<i>Wake Forest College</i>). Greek. 2.	Siler City, N. C.	43 Sn.
Pellett, Sarah Frances,	A.B. (<i>Smith College</i>) '82; A.M. (<i>Cornell University</i>) '91. Latin, Greek. 5.	Binghamton, N. Y.	19 Kl.
Pike, Granville Ross,	A.B. (<i>Hamilton College</i>) '80; A.M. (<i>Ibid.</i>) '83. History. 2.	Chicago.	6716 Union av.
Pomerine, Jennie,	A.B. (<i>Vassar College</i>) '86. English. 1.	Poughkeepsie, N. Y.	Hyde Park Hotel.
Potter, Erastus Francis,	A.B. (<i>University of Michigan</i>). Latin, Greek. 2.	Tecumseh, Mich.	326, 57th st.
Poyen-Bellisle, René de,	L.B. (<i>University of France</i>) '74. Romance. 2.	Mt. Washington, Md.	391, 57th st.
Putnam, Edward Kirby,	A.B. (<i>Illinois College</i>) '91. English, Social Science. 2.	Chicago,	353 E. 41st st.
Read, Eliphalet Allison,	A.B. (<i>University of Acadia</i>) '91. Systematic Theology, Social Science. 9.	Berwick, Nova Scotia.	128 D.
Reese, Elizabeth Irene,	A.B. (<i>Western Maryland College</i>) '93. Romance, German. 2.	Westminster, Md.	18 B.
Reynolds, Myra,	A.B. (<i>Vassar College</i>) '80; A.M. (<i>Ibid.</i>) '92. English, Greek. 5.	Pueblo, Col.	F.
Roodhouse, Ada,	B.L. (<i>Oxford College</i>). English.	Carrollton, Ill.	49 B.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. 2.	Hastings, Neb.	58 Sn.
Sanders, Frederic William,	A.B. (<i>College of the City of New York</i>) '83; A.M. (<i>Harvard University</i>) '92. Social Science, Philosophy. 2.	Chicago.	17 G.
Scofield, Cora Louise,	A.B. (<i>Vassar College</i>) '90. History. 2.	Washington, Ia.	35 B.
Shaw, Edwin,	A.B. (<i>Milton College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Biblical Literature. 2.	Milton, Wis.	5455 Monroe av

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Sikes, George Cushing,	S.B. (<i>University of Minnesota</i>) '92. Political Economy. 2.	Minneapolis, Minn.	5622 Ellis av.
Sisson, Edward Octavius,	A.B. (<i>University of Chicago</i>) '93. Greek, Philosophy. 2.	Newcastle-on-Tyne, England.	5442 Drexel av.
Smith, Emily James,	A.B. (<i>Bryn Mawr College</i>) '89. Greek, Latin. 2.	Canandaigua, N. Y.	5740 Monroe av.
Smith, Martha Constance,	Ph.B. (<i>Northwestern University</i>) '92. English, Philosophy. 2.	Evanston.	22 B.
Snoddy, James Samuel,	L.B. (<i>University of Missouri</i>) '83. English. 2.	Kansas City, Mo.	5612 Drexel av.
Soares, Theodoro Geraldo,	A.B. (<i>University of Minnesota</i>) '91; A.M. (<i>Ibid.</i>) '92. Semitic. 5.	Minneapolis, Minn.	24 G.
Spencer, Charles Worthen,	A.B. (<i>Colby University</i>) '90. Social Science, History. 5.	Waterville, Me.	5620 Ellis av.
Squires, Vernon Purinton,	A.B. (<i>Brown University</i>) '89. English. 2.	Oneonta, N. Y.	14 G.
Stanton, Eveline Judith,	Ph.B. (<i>Bushnell University</i>) '90. English. 2.	Chinchilla, Pa.	17 B.
Start, Cora Angelina,	A.B. (<i>Vassar College</i>) '90; A.M. (<i>Ibid.</i>) '92. History, Political Science. 2.	Worcester, Mass.	36 Kl.
Stowe, Frederick Arthur,	Ph.B. (<i>Iowa State University</i>) '92. Political Economy, Political Science. 4.	Chicago.	578, 60th st.
Thompson, James Westfall,	A.B. (<i>Rutgers College</i>) '92. History, Political Science. 5.	New Brunswick, N.J.	5620 Ellis av.
Thurston, Henry Winfred,	A.B. (<i>Dartmouth College</i>) '88. History, Political Economy. 2.	La Grange.	Englewood High School.
Tompkins, Arnold,	A.M. (<i>University of Indiana</i>). French, Philosophy. 2.	Terre Haute, Ind.	Auburn Park.
Triggs, Oscar L.,	A.B. (<i>University of Minnesota</i>) '89; A.M. (<i>Ibid.</i>) '93. English. 5.	Chicago.	21 G.
Tunell, George,	S.B. (<i>University of Minnesota</i>) '92. Political Economy, German. 5.	Albert Lea, Minn.	24 G.
Tunnicliff, Helen Honor,	A.B. (<i>Vassar College</i>) '89. Political Science. 2.	Macomb, Ill.	5 B.
Van der Ploeg, Henry,	A.B. (<i>Hope College</i>) '93. History. 2.	Holland, Mich.	5920 Green st.
Vincent, George Edgar,	A.B. (<i>Yale University</i>) '85. Social Science. 2.	Buffalo, N. Y.	5338 Washington av.
Votaw, Clyde Weber,	A.B. (<i>Amherst College</i>) '88; A.M. (<i>Ibid.</i>) '92. Biblical and Patristic Greek. 1.	Chicago.	Hotel Barry.
Waldo, William Albergince,	B.Th. (<i>Baptist Union Theological Seminary</i>) '92; Ph.B. (<i>Des Moines College</i>) '93. Systematic Theology, Social Science. 4.	Drayton, N. D.	7725 Union av., Au- burn Park.
Walker, Arthur Tappan,	A.B. (<i>University of the City of New York</i>) '87; A.M. (<i>Vanderbilt University</i>) '92. Latin, Greek. 2.	New York City.	5810 Drexel av.
Walker, Dean Augustus,	A.B. (<i>Yale University</i>) '84; D.B. (<i>Ibid.</i>) '89; A.M. (<i>Ibid.</i>) '90. Semitic. 2.	Auburndale, Mass.	18 G.
Wallace, Elizabeth,	S.B. (<i>Wellesley College</i>) '86. Political Science, Romance. 5.	Minneapolis, Minn.	7 and 8 B.
Wallin, Madeleine,	L.B. (<i>University of Minnesota</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. English, Political Science, History. 5.	Fargo, N. Dak.	32 B.
Ward, Henry Winfield,	S.B. (<i>Hartsville College</i>) '86; A.B. (<i>Western College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin. 2.	Sparta, Mich.	623, 55th st.
Ware, Richard,	L.B. (<i>Columbian University</i>) '90. Political Economy. 2.	Washington, D. C.	5515 Woodlawn av.
Wasson, Van Rensselaer,	A.B. (<i>Union Christian College</i>) '87; A.M. (<i>Ibid.</i>) '90. Latin. 2.	Sullivan, Ind.	5800 Jackson av.
Weatherlow, Jane Knight,	A.B. (<i>Wellesley College</i>) English. 2.	Seneca Falls, N.Y.	47 F.
Webster, William Clarence,	A.B. (<i>Albion College</i>) '87, History. 5.	Chicago.	5722 Kimbark av.
West, Max,	B.S. (<i>University of Minnesota</i>) '90; A.M. (<i>Columbia College</i>) '92; Ph.D. (<i>Columbia College</i>) '93. Political Economy, Social Science. 2.	Chicago.	University settlement 4655 Gross av.
Whaley, John Byrd,	A.B. (<i>Western Maryland College</i>) '89. Semitic. 5.	Plymouth, N. C.	5620 Ellis av.
White, Henry Kirke,	A.B. (<i>Beloit College</i>) '88; A.M. (<i>Harvard College</i>) '92. Political Economy, History. 2.	Lanark.	10 G.

THE QUARTERLY CALENDAR.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Wilcox, William Craig,	A.B. (<i>University of Rochester</i>) '88; A.M. (<i>Ibid.</i>) '91. Political Science, History. 5.	Rochester, N. Y.	12 G.
Wilkins, Walter Eugene,	A.B. (<i>Furman University</i>) '93. Philosophy, English Literature, Social Science. 2.	Charleston, S. C.	541, 55th st.
Wilkinson, Florence,	A.B. (<i>Wellesley College</i>) '92. German, Greek, Social Science. 2.	Chicago.	5835 Drexel av.
Willard, Laura,	S.B. (<i>Carleton College</i>) '87. Social Science, Political Science. 5.	Chicago.	5555 Woodlawn av.
Willett, Herbert Lockwood,	A.B. (<i>Bethany College</i>) ; A.M. (<i>Ibid.</i>) '88. Semitic. 4.	Ann Arbor, Mich.	5620 Ellis av.
Williams, Frank North,	A.B. (<i>Oberlin College</i>) '92. Political Economy. 1.	Oberlin, O.	5822 Drexel av.
Willis, Henry Parker,	A.B. (<i>University of Chicago</i>) '94. Political Economy. 1.	Racine, Wis.	5551 Lexington av.
Winston, Eugenia,	A.B. (<i>University of Wisconsin</i>) '90. Comp. Philology, Latin. 2.	Chicago.	363 E. 58th st.
Witkowsky, Esther,	A.B. (<i>Vassar College</i>) '88. Romance Languages. 4.	Chicago.	2802 Prairie av.
Wood, Alfred Augustus,	A.B. (<i>Oberlin College</i>) '82; A.M. (<i>Ibid.</i>) '87; S.T.B. (<i>Boston University</i>) '88. Philosophy, Comparative Religion. 2.	Milwaukee, Wis.	623, 55th st.
Wood, Francis Asbury,	A.B. (<i>Northwestern University</i>) '90; A.M. (<i>Ibid.</i>) '83. German, English. 2.	Aurora, Neb.	5537 Lexington av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; B.D. (<i>Crozer Theological Seminary</i>) '89. Biblical Greek, Patristic Greek. 2.	Philadelphia, Penn.	146 D.
Zarbell, Ada,	A.B. (<i>University of Michigan</i>) '92. Comparative Philology, Latin. 2.	Chicago.	4132 Ellis av.
Zeublin, Charles,	Ph.B. (<i>Northwestern University</i>) '87; D.B. (<i>Yale University</i>) '89. Social Science, Philosophy. 5.	Chicago.	5134 Wabash av.

TOTAL, 169.

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Barrett, Storrs Barrows,	A.B. (<i>University of Rochester</i>) '89. Astronomy, Physics. 5.	Rochester, N. Y.	438, 57th st.
Bernhard, Adolph,	A.B. (<i>Johns Hopkins University</i>) '89. Chemistry. 5.	Stone Creek, O.	5622 Ellis av.
Bothe, August Carl,	A.B. (<i>Central Wesleyan College</i>) '89. Chemistry, Physics. 5.	St. Paul Park, Minn.	5490 Ellis av.
Bownocker, John Adams,	S.B. (<i>Ohio State University</i>) '89. Geology. 5.	Columbus, O.	5425 Cottage Grove av.
Boyer, Emanuel Roth,	A.B. (<i>Harvard University</i>) '90. Zoology. 3.	Englewood.	645 62d st.
Bristol, Charles Lawrence,	S.B. (<i>University of the City of N. Y.</i>) '83; S.M. (<i>Ibid.</i>) '88; Zoology, Paleontology. 5.	Ballston Spa, N. Y.	5835 Drexel av.
Brode, Howard Stidham,	Graduate (<i>Illinois Normal University</i>) '88; Student (<i>Wood's Hull</i>) '90. Zoology, Physiology. 2.	Urbana.	804 64th st.
Buell, Ira Maynard,	Ph.B. (<i>Beloit College</i>) '78; A.M. (<i>Ibid.</i>) '81. Geology. 2.	Beloit, Wis.	5827 Kimbark av.
Chamberlain, Charles Joseph,	A.B. (<i>Oberlin College</i>) '88. Physiology, Anatomy. 2.	Oberlin, O.	6034 Woodlawn av.
Chesnut, Victor King,	S.B. (<i>University of California</i>) '90. Chemistry, Zoology. 2.	Oakland, Cal.	5829 Kimbark av.
Clapp, Cornelia Maria,	Ph.B. (<i>Syracuse University</i>); Ph.D. (<i>Ibid.</i>) '89. Zoology, Neurology. 2.	Montague, Mass.	3154 Prairie av.
Cobb, Herbert Edgar,	A.B. (<i>Wesleyan University</i>); A.M. (<i>Ibid.</i>). Mathematics. 2.	Searsmont, Me.	Hotel Barry, Madison av. & 56th st.
Cooke, Elizabeth,	S.B. (<i>University of Michigan</i>) '93. Physiology, Physics. 2.	Chicago.	6119 Oglesby av.
Cowles, Henry Chandler,	A.B. (<i>Oberlin College</i>) '93. Geology. 2.	Kensington, Conn.	5835 Drexel av.
Eycleshymer, Albert Chauncey,	S.B. (<i>University of Michigan</i>) Zoology, Neurology. 2.	Hastings, Mich.	223, 54th st.
Farr, Marcus Stults,	A.B. (<i>Princeton College</i>) '92; S.M. (<i>Ibid.</i>) '92; Paleontology, Neurology. 2.	Cranbury, N. J.	9 G.
Fenelon, Eunice Agnes,	S.B. (<i>Lawrence University</i>) '90. Mathematics, Political Economy. 2.	Weyannego, Wis.	11 F.
Fiske, Winthrop Edwards,	A.B. (<i>Harvard College</i>) '90. Physics, Mathematics. 2.	Lowell, Mass.	5620 Ellis av.
Foley, Arthur Lee,	A.B. (<i>University of Indiana</i>) '90; (<i>Ibid.</i>) '91. Physics, Mathematics. 2.	Bloomington, Ind.	6042 Washington av.
Folin, Otto Knute Olaf,	S.B. (<i>University of Minnesota</i>) '92. Chemistry, Physics. 2.	Stillwater, Minn.	5622 Ellis av.
Ford, Elizabeth Keith,	(<i>Daughters College, Ky.</i>) Geology. 2.	Paris, Ky.	5612 Ellis av.
Froley, John William,	S.B. (<i>University of Missouri</i>) '88; S.M. (<i>Ibid.</i>) 1892; Astronomy, Mathematics. 5.	Canton, Mo.	5630 Ingleside av.
Gordon, Charles Henry,	S.B. (<i>Albion College</i>) '86; S.M. (<i>Ibid.</i>) '90. Geology. 4.	Chicago.	455, 55th st.
Goodell, Frank Elbert,	A.B. (<i>University of Dakota</i>) '89. Chemistry. 2.	Emerson, Ia.	5722 Kimbark av.
Hardcastle, Frances,	Mathematical Tripos (<i>Cambridge, Eng- land</i>); Part I, '91, Part II, '92. Mathematics. 2.	London, Eng.	5740 Monroe av.
Hardesty, Irving,	A.B. (<i>Wake Forest College</i>) '92. Zoology, Physiology, Histology. 2.	Wakefield, N. C.	623, 55th st.
Harvey, Seth,	S.B. (<i>Wilmington College</i>) '91. Mathematics, Astronomy, Physics. 2.	Ogden, O.	56 Sn.
Hay, Oliver Perry,	A.B. (<i>Eureka College</i>) '70; Ph.D. (<i>Indiana University</i>) '87. Paleontology. 5.	Chicago.	5626 Jefferson av.
Hesse, Bernhard Conrad,	Ph.C. (<i>University of Michigan</i>) '89; S.B. (<i>Ibid.</i>) '93. Chemistry. 2.	Saginaw, E.S., Mich.	7 Sn.
Hopkins, Thomas Cramer,	S.B. (<i>De Pauw University</i>) '87; S.M. (<i>Ibid.</i>) '90; A.M. (<i>Leland Stanford Uni- versity</i>) '92. Geology, Mineralogy. 2.	Chicago.	6149 Woodlawn av.
Huff, William Bashford,	A.B. (<i>University of Wisconsin</i>) '89. Mathematics. 4.	Boscobel, Wis.	5827 Kimbark av.
Hutchinson, John Irwin,	A.B. (<i>Bates College</i>) '89. Mathematics, Astronomy. 5.	Chicago.	599 E. 65th st.

THE QUARTERLY CALENDAR.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Joffe, Solomon Achillowitz,	S.M. (<i>University of the City of New York</i>) '93. Mathematics, Astronomy. 2.	Chicago.	140 E. Newberry av.
Johnson, Herbert Parlin,	A.B. (<i>Harvard University</i>) '89; A.M. (<i>Ibid.</i>) '90; Ph.D. (<i>The University of Chicago</i>) '94.	Everett, Mass.	Des Moines, Iowa.
Jones, Lander William,	A.B. (<i>Williams College</i>) '92. Chemistry. 2.	Peoria, Ill.	5415 Cottage Grove av.
Kümmel, Henry Barnard,	A.B. (<i>Beloit College</i>) '89; A.M. (<i>Harvard University</i>) '92. Geology. 5.	Milwaukee, Wis.	5620 Ellis av.
Lehman, Daniel Acker,	S.B. (<i>Normal School, Millersville, Pennsylvania</i>); Ph.B. (<i>Wesleyan University</i>). Physics, Mathematics, Astronomy. 2.	Chambersburg, Pa.	541, 55th st.
Leslie, George Lee,	S.B. (<i>University of Iowa</i>) '82; A.M. (<i>Ibid.</i>) '83. Chemistry. 2.	Santa Barbara, Cal.	55th & Washington av.
Lillie, Frank Rattray,	A.B. (<i>University of Toronto</i>) '91. Zoology, Neurology. 5.	Toronto, Can.	5316 Jackson av.
Lucas, Frederic Colby,	S.B. (<i>Harvard College</i>) '92. Geology. 2.	Chicago.	5722 Kimbark av.
Mautner von Markhof, Otto,	Ph.D. (<i>University of Vienna</i>) '90. Physics, Mathematics. 2.	Vienna, Austria.	3146 Wabash av.
Mead, Albert Davis,	A.B. (<i>Middlebury College</i>) '80; A.M. (<i>Brown University</i>) '92. Zoology, Neurology. 5.	Chicago.	17 Ray st.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology, Geology, German. 5.	Lowell, Mass.	5620 Ellis av.
Mitchell, Benjamin Sidney,	S.B. (<i>Wake Forest College</i>) '90. Chemistry. 2.	Youngsville, N. C.	43 Sn.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Physiology. 2.	Chicago.	429, 57th st.
Munson, John P.,	S.B. (<i>University of Wisconsin</i>) '87; S.M. (<i>Ibid.</i>) '92; Ph.B. (<i>Yale University</i>) '92. Zoology, Physiology. 2.	Shabbona.	691, 57th st.
Newby, Charles B.,	S.B. (<i>Earlham College</i>) '89. Chemistry. 5.	Converse, Ind.	Keene Hotel, 55th st
Peet, Charles Emerson,	S.B. (<i>University of Wisconsin</i>) '92. Geography, Geology. 5.	Good Hope.	5620 Ellis av.
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91. Physics, Geology. 2.	Carmel, Ind.	Keene Hotel, 55th st
Quereau, Edmund Chase,	Ph.B. (<i>Northwestern University</i>) '88; Ph.M. (<i>Ibid.</i>) '92; Ph.D. (<i>Freiburg, Baden</i>) '93. Geology, Petrology. 5.	Aurora.	5757 Madison av.
Slaught, Herbert Ellsworth,	A.B. (<i>Colgate University</i>) '83; A.M. (<i>Ibid.</i>) '86. Mathematics. 5.	Englewood.	440, 64th st.
Smith, James Archy,	Ph.B. (<i>Denison University</i>) '89; A.M. (<i>Ibid.</i>) '92. Mathematics. 5.	Mercer's Bottom, W. Va.	438, 57th st.
Smith, Warren Rufus,	A.B. (<i>Bowdoin College</i>) Chemistry. 5.	Litchfield Corners, Me.	5622 Ellis av.
Stafford, John,	A.B. (<i>University of Toronto</i>) '87; D.B. (<i>Morgan Park Theological Seminary</i>) '89. Physiological Psychology, Neurology, Histology. 2.	Flesherton, Can.	5558 Drexel av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '89. Chemistry, Physics. 5.	Chicago.	3352 Indiana av.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Chemistry. 2.	Chicago.	3352 Indiana av.
Sturges, Mary Mathews,	S.B. (<i>University of Michigan</i>) '93. Zoology, Physiology. 2.	Oak Park.	19 B.
Swartz, Samuel Ellis,	A.B. (<i>Dartmouth University</i>) '79. Chemistry, Physics. 5.	Chicago.	5622 Ellis av.
Taylor, Nellie M.,	A.B. (<i>Hanover College</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics, Philosophy. 2.	Hanover, Ind.	11 F.
Taylor, William Edgar,	A.B. (<i>Clinton College</i>) '79; A.M. (<i>Ibid.</i>) '85; S.M. (<i>Purdue University</i>) '92. Palaeontology, Zoology, Geology. 4.	Chicago.	5427 Cottage Grove av
Thurnauer, Gustav,	Ph.D. (<i>University of Berlin</i>) '90. Chemistry.	Nürnberg, Germany.	5519 Madison av.
Torrey, Clarence Almon,	Ph.B. (<i>Cornell College</i>) '90. Mathematics. 5.	Manchester, Ia.	541, 55th st.
Twitchell, Richard Sears,	M.E. (<i>Stevens Institute of Technology</i>) Mathematics.	Newark, N. J.	471 Bowen av.
Welch, Jeanette Cora,	A.B. (<i>Wellesley College</i>) '89. Physiology, Physics. 2.	Chicago.	335 So. Halsted st.
Whitney, Albert Wurts,	A.B. (<i>Beloit College</i>) '91. Physics, Mathematics. 2.	Beloit, Wis.	5827 Kimbark av.
Willard, Daniel Everett,	A.B. (<i>Oxford University</i>) '88; A. M. (<i>Ibid.</i>) '90. Geology. 5.	Nile, N. Y.	6124 Wharton av.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Willard, Emma,	A.B. (<i>Oberlin College</i>) '88; A.M. (<i>University of California</i>) '91. Geology, German.	Chicago.	5555 Woodlawn av.
Wolfe, Katharine Margaret,	L.B. (<i>Adrian College</i>) ; S.B. (<i>Ibid.</i>) Biology. 2.	Tiffin, O.	31 B.
			TOTAL, 69.

THE NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Abbott, Mary Merriman,	A.B. (<i>Vassar College</i>) '78. Social Science and Anthropology.	Hendersonville, N. C.
Bosworth, Anne Lucy,	B.S. (<i>Wellesley College</i>) '90. Mathematics.	22 Harris av., Woonsocket, R. I
Breasted, James H.,	A.B. (<i>Northwestern College</i>) '89. Semitic.	Berlin, Germany.
Burris, William Paxton,	Ph.B. (<i>De Pauw University</i>) '91. Philosophy.	Bluffton, Ind.
Campbell, Peter Sinclair,	A.B. (<i>Toronto University</i>) '77. Greek.	92 Yorkville av., Toronto, Can.
Estey, Stephen Sewell,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>Ibid.</i>) '87. Social Science.	Humboldt, Kans.
Hull, Daniel,	A.B. (<i>Toronto University</i>) '89. Mathematics.	Toronto, Canada.
Hulley, Eloise Mayham,	A.B. (<i>University of Michigan</i>) '90; A.M. (<i>University of Chicago</i>) '94. Philosophy.	Lewisburg, Pa.
Hulley, Lincoln,	A.B. (<i>Bucknell University</i>) '88; A.B. (<i>Harvard College</i>) '89; A.M. (<i>Bucknell University</i>) '91. Semitic.	Lewisburg, Pa.
Jones, Frank William,	S.B. (<i>Wisconsin State University</i>) '92. Geology.	Elk Grove, Wis.
Kling, Henry F.,	Ph.B. (<i>Upper Iowa University</i>) '83. Political Economy.	Hot Springs, S. D.
Locy, William A.,	B.S. (<i>University of Michigan</i>) '81; S.M. (<i>Ibid.</i>) '84. Zoology. II yr.	Lake Forest.
McKee, William Parker,	A.B. (<i>Wabash College</i>) '88, D.B. (<i>Morgan Park Theological Seminary</i>) '87. Ancient History.	522, 12th av. S. E., Minneapolis, Minn.
McPheeters, William Marcellus,	A.B. (<i>Washington and Lee University</i>) '74. Semitic.	Columbia, S. C.
Patton, Walter M.,	D.B. (<i>Wesleyan Theological College, Montreal</i>). Semitic.	228 University st., Montreal, Canada.
Plumb, George H. R.,	Ph.B. (<i>Lafayette College</i>) '77; A.M. (<i>Ibid.</i>) '80. Political Economy.	Glencoe, Cook Co., Ill.
Pratt, Alice E.,	Ph.B. (<i>University of California</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. English.	British Museum, London, Eng.
Schmidt, William G. W.,	Ph.B. (<i>N. W. College</i>); Ph.M. (<i>Syracuse University</i>). Germanics.	Lake Forest, Ill.
Townsend, Edgar J.,	Ph M. (<i>Albion College</i>) '90; Ph.M. (<i>University of Michigan</i>) '92. Mathematics.	Champaign, Ill.
Treadwell, A. L.,	B.S. (<i>Wesleyan University</i>) '88; S.M. (<i>Ibid.</i>) '90. Zoology.	Miami University, Oxford, O.
Udden, John August,	A.B. (<i>Augustana College</i>) '81; A.M. (<i>Ibid.</i>) '89. Geology.	1000, 38th st., Rock Island.
Walker, Buzz M.,	B.S. (<i>Agricultural and Mechanical College of Mississippi</i>) '83; M.S. (<i>Ibid.</i>) '88. Mathematics.	Agricultural College, Miss.
Wood, Irving F.,	A.B. (<i>Hamilton College</i>) '85; A.M. (<i>Ibid.</i>) '88; D.B. (<i>Yale University</i>) '92. Philosophy.	Smith College, Northampton, Mass.
Wright, Frederick Herbert,	A.B. (<i>Mt. Allison College</i>) '75. Semitic.	Grand Pre, N. S.
		TOTAL, 23.

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Aitchison, John Young,	A.B., (<i>Des Moines College</i>) '93. 2.	<i>Des Moines, Ia.</i>	135 D.
Allen, Charles William,	A.B. (<i>Bucknell University</i>) '92. 5.	<i>Scranton, Pa.</i>	144 D.
Allison, Matthew Gay,	A.B. (<i>Dalhousie College</i>) '86; A.M. (<i>Princeton</i>) '89; (<i>Union Theological Seminary</i>) '90. 2½.	<i>Windsor, N. S.</i>	108 D.
Atchley, Isaac Carroll,	A.B. (<i>Drury College</i>) '93. 2½.	<i>Springfield, Mo.</i>	35 D.
Bale, George A.,	Ph.B. (<i>Des Moines College</i>) '93. 2½.	<i>Ames, Ia.</i>	54 D.
Beyl, John Lewis,	S.B. (<i>Borden Institute</i>) '89. 2½.	<i>Jeffersonville, Ind.</i>	5709 Drexel av.
Borden, Edward Howard,	A.B. (<i>Acadia University</i>) '92. 4.	<i>Truro, N. S.</i>	109 D.
Bowen, Everett Anthony,	A.B. (<i>Brown University</i>) '92. 5.	<i>Providence, R. I.</i>	129 D.
Brewster, Marilla Marks,	(<i>New Hampton Literary and Biblical Institute</i>). 2½.	<i>N. Danville, N. H.</i>	5515 Woodlawn av.
Braker, Jr., George,	A.B. (<i>Colgate University</i>) '93. 2½.	<i>Brooklyn, N. Y.</i>	138 D.
Brandsmark, Anders Larsen,	(<i>Morgan Park Theological Seminary</i>). 8.	<i>Slagelse, Denmark.</i>	87 D.
Bronson, Fred C. G.,	A.B. (<i>Yale University</i>) '92. 5.	<i>Norwich, Conn.</i>	105 D.
Bruce, Preston P.,	A.B. (<i>Cornell College, Iowa</i>) '93. 2½.	<i>Manchester, Ia.</i>	78 D.
Brownson, Edwin Julius,	A.B. (<i>Colgate University</i>) (<i>Newton Theological Seminary</i>). 2½.	<i>Englewood.</i>	529, 61st.
Case, Carl Delos,	A.B. (<i>Colgate University</i>) '91. 5½.	<i>St. Anthony Park, Minn.</i>	139 D.
Chalmers, William Everett,	A.B. (<i>Brown University</i>) '93. 2½.	<i>Paterson, N. J.</i>	133 D.
Chapin, Judson Clarke,	A.B. (<i>University of Rochester</i>) '89. 5.	<i>Chicago.</i>	3816 Rhodes av.
Cook, Homer Martin,	S.B. (<i>La Grange College</i>) '90. 6.	<i>La Grange, Mo.</i>	128 D.
Coon, Daniel Israel,	A.B. (<i>State University of Iowa</i>) '89. 2½.	<i>Osage, Ia.</i>	6126 Wharton av.
Coon, David Burdette,	S.B. (<i>Milton College</i>) '91. 8.	<i>Chicago.</i>	5455 Monroe av.
Cressey, Frank Graves,	A.B. (<i>Brown University</i>) '91. 4½.	<i>Los Angeles, Cal.</i>	133 D.
Criswell, John Marion,	A.B. (<i>Denison University</i>) '92. 4½.	<i>S. Kirtland, O.</i>	136 D.
Davies, Frederick George,	(<i>Nebraska City College</i>). 8.	<i>Somonauk.</i>	390, 57th st.
Davis, John Tinsdale,	A.B. (<i>Alfred University</i>) '89. 2½.	<i>Alfred Center, N. Y.</i>	48 D.
Davis, Ulysses Sherman,	A.B. (<i>Denison University</i>) '92. 5.	<i>Youngstown, O.</i>	77 D.
Dickerson, Philip Jackson,	(<i>Denison University</i>) '79; (<i>Heidelberg, Ohio</i>) '90. 2½.	<i>Lula, Va.</i>	5724 Drexel av.
Eaton, William Henry,	A.B. (<i>Ottawa University</i>) '93. 2½.	<i>Ottawa, Kans.</i>	140 D.
Eddy, William Jobes,	A.B. (<i>West Virginia University</i>) '93. 2½.	<i>Cross Roads, W. Va.</i>	34 D.
Eubank, Marian D.,	A.B. (<i>William Jewell College</i>), M.D. (<i>Marion Simms College of Medicine</i>) '91. 2½.	<i>Pleasant Hill, Mo.</i>	149 D.
Ewing, Addison Alvord,	A.B. (<i>Amherst College</i>) '92. ½.	<i>Danvers, Mass.</i>	147 D.
Fisk, Henry Alfred,	L.B. (<i>University of California</i>) '91. 5.	<i>St. Charles.</i>	144 D.
Fletcher, Charles Wesley,	A.B. (<i>Wheaton College</i>) '92. 2½.	<i>Chicago.</i>	127 D.
Ford, John Elijah,	(<i>Beloit College Academy</i>) '91. 8.	<i>Chicago.</i>	57 D.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. 5.	<i>Chicago.</i>	5423 Monroe av.
Georges, Mooshie,	(<i>Oroomiah College, Persia</i>). 2½.	<i>Oroomiah, Persia.</i>	110 D.
Goodman, Alfred Ebenezar,	A.B. (<i>Ottawa University</i>) '91. 5.	<i>Antrim, Kans.</i>	132 D.
Griffeth, Benjamin Franklin,	(<i>Morgan Park Theological Seminary</i>). 7½.	<i>Lula, Va.</i>	5724 Drexel av.
Guard, Paul,	Th.B. (<i>Oberlin</i>) '93. 2½.	<i>Cleves, O.</i>	5825 Kimbark av.
Hageman, Simon Sylvester,	A.B. (<i>Ottawa University</i>) '93. 2½.	<i>Clifton, Kans.</i>	140 D.
Halbert, William Chase,	A.B. (<i>La Grange College</i>) '92. 3½.	<i>Plymouth.</i>	66 D.
Hazelton, Carl Dorsey,	A.B. (<i>Franklin College</i>) '93. 2½.	<i>Richmond, Ind.</i>	148 D.
Herrick, Julian Avery,	S.B. (<i>La Grange College</i>) '92. 5.	<i>La Grange, Mo.</i>	134 D.

NAME.	DEGREE AND PLACE ; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. 8.	<i>Pavilion.</i>	Fernwood.
Hicks, Franklin Benjamin,	A.B. (<i>Beloit College</i>) '86. 1½.	<i>Wayne.</i>	Wayne.
Horne, George,	A.B. (<i>Ottawa University</i>) '91. 7½.	<i>Chicago.</i>	132 D.
Howard, Harry,	A.B. (<i>Trinity College</i>) '91. 8.	<i>Chicago.</i>	5548 Ingleside av.
Howard, Walter Simon,	A.B. (<i>University of Rochester</i>) '91. 2½.	<i>Port Huron, Mich.</i>	122 D.
Hurley, Hugh Henry,	(<i>Woodstock College, Ontario</i>). 2½.	<i>Chater, Man.</i>	44 D.
Irvine, William Franklin,	A.B. (<i>University of Manitoba</i>) '91. 7.	<i>Yorkville.</i>	Yorkville.
Ingraham, Lee Joseph,	A.B. (<i>Acadia University</i>) '91. 2½.	<i>Frizzleton, Nova Scotia.</i>	72 D.
Jones, Henry Farrar,	(<i>Ottawa University</i>) '91. 5.	<i>Berdena, Kans.</i>	6220 Oglesby av.
Lake, Elisha Moore,	(<i>Bucknell University</i>). 8.	<i>Elmira, N. Y.</i>	141 D.
Larson, Nels R.,	(<i>Morgan Park Theological Seminary</i>). 7½.	<i>Morgan Park.</i>	119 D.
Lemon, Charles Augustus,	A.B. (<i>Colgate University</i>) '92. 5.	<i>Attica, N. Y.</i>	142 D.
Lockhart, John Moses,	L.B. (<i>Denison University</i>) '92. 5.	<i>Harvey.</i>	Harvey.
Martin, Benjamin F.,	(<i>Morgan Park Theological Seminary</i>). 7½.	<i>Berwyn.</i>	90 D.
McKinney, Everson Ryder,	L.B. (<i>University of Minnesota</i>) '87. 1½.	<i>Rochelle.</i>	51 D.
Milne, William Lorimer,	(<i>Cliff College, Sheffield, Eng.</i>) ½.	<i>Aberdeen, Scotland.</i>	60 D.
Morgan, James Albert,	A.B. (<i>Franklin College</i>) '93. 2½.	<i>Montgomery, Ind.</i>	5550 Drexel av.
Myhrmann, David,	(<i>Baptist Theological Seminary, Sweden</i>). 5.	<i>Stockholm, Sweden.</i>	73 D.
Nordlander, Eric Johan,	(<i>Morgan Park Theological Seminary</i>). 7.	<i>Roseland.</i>	Roseland.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91. 5.	<i>Grand Rapids, Mich.</i>	76 D.
Patrick, Bower Reynolds,	A.B. (<i>William Jewell College</i>). ½.	<i>Hannibal, Mo.</i>	70 D.
Peterson, William August,	D.B. (<i>Morgan Park Theological Seminary</i>) '90. 2½.	<i>Chicago.</i>	97 D.
Phillips, Daniel Thomas,	(<i>Haverford College, Wales</i>) '84. 5.	<i>Chicago.</i>	7142 Kinney av.
Proctor, John Thomas,	A.B. (<i>William Jewell College</i>). '91. 2½.	<i>Philadelphia, Mo.</i>	149 D.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '92. 2½.	<i>St. Paul, Minn.</i>	5825 Kimbark av.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. 8.	<i>Berwick, Nova Scotia.</i>	128 D.
Rhodes, Jesse Cassandra,	A.B. (<i>Franklin College</i>) '92. 5.	<i>Rensselaer, Ind.</i>	5550 Drexel av.
Rocen, Johan,	(<i>Swedish Theological Seminary, Morgan Park</i>) '92. 2½.	<i>Chicago.</i>	94 D.
Sanders, James Franklin,	A.B. (<i>Furman University</i>) '92. 5.	<i>Saluda, S. C.</i>	93 D.
Sanderson, Eugene Claremont,	A.B. (<i>Oskaloosa College</i>) '83; A.M. (<i>Drake University</i>) '88; D.B. (<i>Drake Divinity School</i>) '83. 2½.	<i>Tacoma, Wash.</i>	358, 56th st.
Shatto, Charles Rollin,	A.B. (<i>Western College, Toledo, Iowa</i>) '90. 2½.	<i>Toledo, Ia.</i>	130 D.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). 2½.	<i>City of Mexico, Mexico.</i>	145 Oakwood boul.
Stevens, Almon Odell,	A.B. (<i>Bucknell University</i>) '91. 5.	<i>Kingsley, Pa.</i>	121 D.
Taylor, William Brooks,	A.B. (<i>College of Liberal Arts of Kentucky University</i>) '93. 2½.	<i>Lexington, Ky.</i>	79 Lincoln av.
Topping, Henry,	A.B. (<i>Rochester University</i>) '92; D.B. (<i>Baptist Union Theological Seminary</i>) '92. 1½.	<i>Columbia, S. C.</i>	
Tustin, Paul,	A.B. (<i>Bucknell University</i>) '91. 5.	<i>Bloomsburg, Pa.</i>	121 D.
Varney, Edgar Dow,	A.B. (<i>Bates College</i>) '88. 2½.	<i>Fort Collins, Colo.</i>	6126 Wharton av.
Waldo, William Albergince,	Th.B. (<i>Morgan Park Theological Seminary</i>) '92. Ph.B. (<i>Des Moines College</i>) '83. 4½.	<i>Drayton, N. Dak.</i>	Auburn Park.
Ward, John Albert,	S.B. (<i>Western College</i>) '89. 2½.	<i>Odon, Ind.</i>	150 D.
Watson, Arthur Tilley,	A.B. (<i>Colby University</i>) '91. 3½.	<i>Oakland, Me.</i>	151 D.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. 5.	<i>Maywood.</i>	5825 Kimbark av.
Wood, William Robert,	(<i>University of Colorado</i>). 5.	<i>Chicago.</i>	6231 Sheridan av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; (<i>Crozer Theological Seminary</i>) '89. 2½.	<i>Philadelphia, Pa.</i>	146 D.
Wyant, Andrew Robt. Elmer,	A.B. (<i>Bucknell University</i>) '92. 5.	<i>Adrian, Pa.</i>	112 D.

TOTAL, 87.

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Allen, Hiram Howard,	(Cedar Valley Seminary). 2½.	Bassett, Neb.	6617 Laffin av.
Berry, Henry Havelock,	(Hebron Academy) '85. 2½.	West Sumner, Me.	878, 35th st.
Blake, James,	(Hulme Cliff College) '89. 5.	Chicago.	91 D.
Bixon, Frank Prince,	(Denison University, also Ohio Institute for Blind) '89. 8.	New York, N. Y.	137 D.
Boynton, Melbourn Parker,	(California College). 4½.	Newark.	69 D.
Carroll, Robert,	(Private School, Zenorville, Ia.) 4½.	Earlville.	41 D.
Dent, Joseph Croft,	(The Bible Institute, Chicago) '91. 3.	Maplewood.	39 D.
Fradenburg, John Victor,	(Woodstock College). 3½.	Upper Ontario.	Bible Institute.
Giblett, Thomas John,	(East London Institute, London, Eng.). 5.	Marley.	152 D.
Gill, Theophilus Anthony,	(Princeton College) '83. 4.	West Park on the Hudson, N. Y.	50 D.
Grablachoff, Wiliko,	(Crozer Theological Seminary). 5.	Tulcho, Rumania.	53 D.
Hatch, Elmer Ellsworth,	(California College). 2½.	Lafayette, Cal.	143 D.
Hole, Charles Boyd,	(Morgan Park Theological Seminary). 8.	Fairbury, Neb.	137 D.
Hoyt, John Lewis,	(Hamilton College) '93. 1½.	Sennett, N. Y.	541, 55th st.
Lockwood, Clarence Herman,	(Cedar Valley Seminary) '90. 2½.	Coldwater, Ia.	5709 Drexel av.
Lockwood, Mrs. Emma Little,	Special. (Des Moines College) '93. 2½.	Coldwater, Ia.	5709 Drexel av.
Mason, George Claude,	(High School, Jacksonville, Ill.). 2½.	Mason City, Ia.	5524 Ingleside av.
Morgan, Jennie Chaille,	(Franklin College.) Special. 2½.	Chicago.	5550 Drexel av.
Schlamann, Ernest Alfred,	(Indiana State Normal). 4½.	Terre Haute, Ind.	88 D.
Smith, Charles Houston,	(Michigan State Normal School). 2½.	Chicago.	47 D.
Smith, Thaddeus L.,	(Moody's Bible Institute). 7½.	Millburn.	Washington Park Hotel.
Speicher, John Gabriel,	M.D. (University of Iowa) '83. 5.	Hudson, Ia.	272, 90th st.
Summers, Marshall Aaron,	(Denison University) '93. 2½.	Hinckley.	68 D.
Thompson, Thora Maria,	(Pillsbury Academy). 8.	Montevideo, Minn.	6 Beecher Hall.
West, John Sherman,	S.B. (Massachusetts Agricultural College) '80. 2½.	Belchertown, Mass.	63 D.
TOTAL, 24.			

THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Andersen, Hans Peter,	(Morgan Park Scandinavian Academy). 5.	Chicago.	107 D.
Nielsen, Martin,	(Morgan Park Scandinavian Academy). 2½.	Alden P. O., Minn.	100 D.
Overgaard, Peder Pedersen,	(Morgan Park Scandinavian Academy). 2½.	Bjarko, Norway.	119 D.
Rasmussen, Lars,	(Morgan Park Scandinavian Academy). 2½.	Berton, S. Dak.	115 D.
TOTAL, 4.			

THE SWEDISH THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Berglund, Magnus,	(Morgan Park Scandinavian Academy). 5.	Dekalb.	38 D.
Carlson, Sven Gustaf,	(Morgan Park Scandinavian Academy). 2½.	Swea, Ia.	117 D.
Carlson, John Amandus,	(Morgan Park Scandinavian Academy). 2½.	New York, N. Y.	117 D.

NAME.	DEGREE AND PLACE ; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Clint, Rudolf Anton,	(<i>Morgan Park Scandinavian Academy</i>). 2½.	<i>Jamestown, N. Y.</i>	114 D.
Johnson, John Daniel,	(<i>Morgan Park Scandinavian Academy</i>). 2½.	<i>Litchfield, Minn.</i>	114 D.
Lawrence, Antone Oliver,	(<i>Morgan Park Scandinavian Academy</i>). 5.	<i>Omaha, Neb.</i>	111 D.
Lindblad, Edward Sigurd,	(<i>Morgan Park Scandinavian Academy</i>). 5.	<i>Oakland, Neb.</i>	96 D.
Nelson, Sven August,	(<i>Morgan Park Scandinavian Academy</i>). 5.	<i>Kiron, Ia.</i>	113 D.
Nelson, Swaney August,	(<i>Morgan Park Scandinavian Academy</i>). 2½.	<i>Minneapolis, Minn.</i>	118 D.
Nilson, Carl Anton,	(<i>Morgan Park Scandinavian Academy</i>). 5.	<i>Chicago.</i>	113 D.
Nylin, Carl Emil,	(<i>Morgan Park Scandinavian Academy</i>). 2½.	<i>Kansas City, Mo.</i>	116 D.
Olson, Lewis Ernest,	(<i>Morgan Park Scandinavian Academy</i>). 2½.	<i>Forest City, Ia.</i>	118 D.
Sandell, Victor,	(<i>Morgan Park Scandinavian Academy</i>). 2½.	<i>Iron River, Mich.</i>	116 D.
		TOTAL, 13.	

THE UNIVERSITY COLLEGES.

NOTE.—The numerals which follow the name of the Collegiate degree for which the student is registered, indicate the number of majors with which the University College student has been credited.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'.	HOME ADDRESS.	PRESENT ADDRESS.
Barnard, Harrison B.,	A.B., 21¼.	Wooster University.	Englewood.	510 62d st.
Barnes, Samuel Denham,	S.B., 30¼.	Beloit College.	Chicago.	3617 Prairie av.
Beatty, Maria,	A.B., 19.	Lake High School.	Chicago.	4444 Emerald av.
Behan, Warren Palmer,	A.B., 33.	Beloit College.	Chicago.	448 Bowen av.
Blackmarr, Frank Hamlin,	S.B., 37¼.	Alleghany College, James-town, N. Y.	Englewood.	613 Chestnut st.
Boomer, Jennie Kathryn,	Ph.B., 25¼.	University of Michigan.	Chicago.	353 East 46th st.
Brandt, Berkeley,	A.B., 21¼.	Allen's Academy.	Chicago.	1316 Michigan av.
Caraway, Henry Reat,	Ph.B., 22¼.	Northwestern University.	Tuscola.	15 G
Castle, Mary,	Ph.B., 30¼.	Bucknell University.	Alexandria, O.	5440 Monroe av.
Chadbourn, Frank Wesley,	A.B., 33.	University of Rochester.	Columbus, Wis.	5722 Kimbark av.
Chandler, William Wilfred,	A.B.	William Jewell College.	Kansas City, Mo.	5632 Ingleside av.
Church, Harry Victor,	Ph.B., 34.	College of Emporia.	Burlington, Kans.	19 Sn.
Cook, Agnes Spofford,	A.B., 18.	Wellesley College.	Normal.	12 F.
Curtis, John Birdsey,	A.B., 25.	University of Michigan.	Chicago.	7437 Nutt av.
Dingee, Gertrude Parker,	A.B., 35.	Oshkosh High School.	Racine, Wis.	22 F.
Dougherty, Mabel,	A.B., 25¼.	University of Michigan.	Peoria.	5 F.
Eastman, Frederick Wilson,	A.B., 22.	University of Rochester.	Pearl Creek, N. Y.	Hotel Barry.
Fox, Herbert Wright,	S.B., 24¼.	Union College.	Detroit, Mich.	2724 Drexel av.
Gilpatrick, Rose Adelle,	Ph.B., 18.	Colby University.	Hallowell, Me.	41 B.
Guyer, Michael Frederic,	S.B., 31.	Plattsburg High School.	Plattsburg, Mo.	5800 Jackson av.
Hamilton, Aletheia,	A.B., 22.	Ohio Wesleyan University.	Chicago.	4720 Madison av.
Hay, Mary,	Ph.B., 22.	Butler University.	Englewood.	5626 Jefferson av.
Heil, John Henry,	A.B., 23¼.	Northwestern University.	Chicago.	3816 Rhodes av.
Hoebeke, Cornelius James,	A.B., 24.	Kalamazoo College.	Kalamazoo, Mich.	26 Sn.
Hopkins, Frances Inez,	Ph.B., 20.	Wellesley College.	Pueblo, Col.	47 F.
Howard, Harry Cooper,	Ph.B., 24¼.	Kalamazoo College.	Kalamazoo, Mich.	Hotel Barry.
Hubbard, Marion Elizabeth,	S.B., 32¼.	Mt. Holyoke College.	McGregor, Ia.	23 F.
Hunter, John Franklin,	A.B., 28.	University of Toronto.	Minto, N. D.	59 Sn.
Jone, Hugo,	S.B., 26¼.	Real Gymnasium, Rawitsch.	Chicago.	204 S. Halsted st.
Keith, Ella May,	Ph.B., 33.	Ottawa University.	Ottawa, Kans.	5443 Jackson av.
Kohlsaat, Philemon Bulkley,	S.B., 29¼.	Northwestern University.	Chicago.	19 Sn.
Kruse, William Henry,	A.B., 32.	Concordia College.	Beecher.	1706, 57th st.
Lambert, Lillian Vitalique,	S.B., 28.	Penn College, Ia.	What Cheer, Ia.	418 Greenwood av.
Leiser, Joseph,	Ph.B., 25¼.	University of Rochester.	Rochester, N. Y.	51 Sn.
Lewis, Albert Buell,	A.B., 32.	University of Wooster.	Santa Anna, Cal.	5550 Drexel av.
Lewis, Mary Catherine,	A.B., 24.	University of Michigan.	Chicago.	5605 Madison av.
Lewis, Susan Whipple,	A.B., 24.	University of Michigan.	Chicago.	5605 Madison av.
Livingstone, Katharine Agnes,	Ph.B., 24.	University of Minnesota.	LaCrosse, Wis.	23 B.
Lozier, Horace Gillette,	A.B., 32.	Northwestern University.	Mt. Vernon, Ia.	5539 Lexington av.
Marot, Mary Louise,	S.B., 33¼.	Wellesley College.	Dayton, O.	2 F.
Mathews, John Lathrop,	A.B., 18¼.	Mass. Inst. Technology.	Evanston.	5810 Drexel av.
McCafferty, Lulu,	S.B., 33.	Central College.	Quincy.	5612 Drexel av.
McMahan, Una,	A.B., 32.	Smith College.	Chicago.	5478 Woodlawn av.
Moore, John Howard,	A.R., 29¼.	Oskaloosa College.	Cawker City, Kans.	5558 Drexel av.
Moran, Thomas William,	Ph.B., 25¼.	University of Michigan.	Chicago.	4710 Vincennes av.
Morgan, Edwin,	A.B., 31¼.	Bucknell University.	East Stroudsburg, Pa.	5623 Drexel av.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Murphy, Henry Constance,	Ph.B., 30¼.	<i>University of Notre Dame.</i>	<i>Woodstock.</i>	57th st. & Kimbark av.
Northrup, Alfred Sayles,	A.B., 32¼.	<i>University of Michigan.</i>	<i>Chicago.</i>	5717 Madison av.
Osgood, William Pleasants,	S.B., 22¼.	<i>Northwestern University.</i>	<i>Austin.</i>	135 D.
Packer, Anna Sophia,	A.B., 24.	<i>Oberlin College.</i>	<i>Chicago.</i>	588, 55th st.
Pierce, Earl Vaydor,	A.B., 32.	<i>Slous Falls University.</i>	<i>Ipswich, S. D.</i>	60th st. & Wharton av.
Pierce, Lucy Frances,	A.B., 22¼.	<i>Vassar College.</i>	<i>Chicago.</i>	4847 Grand Boul.
Porter, Elizabeth,	A.B., 29¼.	<i>Lake Erie Seminary.</i>	<i>Cleveland, O.</i>	B.
Radford, Maude Lavenia,	Ph.B., 35.	<i>Ingham College, N. Y.</i>	<i>Le Roy, N. Y.</i>	3801 Prairie av.
Robinson, Irene Elizabeth,	A.B., 24.	<i>Vassar College.</i>	<i>Englewood.</i>	735, 62d st.
Rogers, May Josephine,	Ph.B., 27¼.	<i>University of Michigan.</i>	<i>Chicago.</i>	5657 Cottage Grove av.
Roosa, Howard,	A.B., 24¼.	<i>Yale University.</i>	<i>Rosendale, N. Y.</i>	Hotel Barry.
Scovel, Louise Claire,	Ph.B., 22.	<i>Wooster University.</i>	<i>Chicago.</i>	3941 Ellis av.
Spalding, Mary Doane,	Ph.B., 27.	<i>Cornell University.</i>	<i>Brooklyn, N. Y.</i>	38 F.
Stebbins, Alethea V.,	Ph.B., 20¼.	<i>Wellesley College.</i>	<i>Rochester, Minn.</i>	43 F.
Strawn, Myra Hartshorn,	A.B., 21.	<i>Smith College.</i>	<i>LaSalle.</i>	7 F.
Swarte, Lawrence James de,	A.B., 25¼.	<i>Beloit College.</i>	<i>Milwaukee, Wis.</i>	5826 Jackson av.
Tanaka, Kiichi,	Ph.B., 28.	<i>Kentucky University.</i>	<i>Tokio, Japan.</i>	53 Sn.
Taylor, Thomas Jackson,	A.B., 24¼.	<i>Missouri State University.</i>	<i>St. Louis, Mo.</i>	5836 Drexel av.
Van Vliet, Alice,	A.B., 19.	<i>So. Division High School.</i>	<i>Chicago.</i>	43 B.
Walker, Florence Mercy,	Ph.B., 35.	<i>Ingham University, N. Y.</i>	<i>Le Roy, N. Y.</i>	5620 Ellis av.
Webster, Ralph Waldo,	Ph.B., 21.	<i>Monmouth College.</i>	<i>Monmouth.</i>	5700 Kimbark av.
Whitson, Andrew Robinson,	S.B., 34¼.	<i>University of Wisconsin.</i>	<i>Northfield, Minn.</i>	5806 Drexel av.
Wilkinson, Arthur Cleaver,	A.B., 22¼.	<i>University of Wisconsin.</i>	<i>Madison, Wis.</i>	Hotel Barry.
Williams, Day,	A.B., 24.	<i>Western Reserve University.</i>	<i>Chicago.</i>	77, 39th st.
Williams, John William,	Ph.B., 23¼.	<i>Cornell College.</i>	<i>Norwood Park.</i>	53 Sn.
Woods, Frank William,	A.B., 21¼.	<i>Colorado College.</i>	<i>Colorado Springs, Colo.</i>	5800 Jackson av.
Wyant, Adam Martin,	A.B., 29¼.	<i>Bucknell University.</i>	<i>Adrian, Pa.</i>	26 Sn.

TOTAL, 73.

THE ACADEMIC COLLEGES.

NOTE.—The numerals which follow immediately upon the name of the Collegiate degree for which the student is registered indicate the number of majors with which the student is credited in the Academic Colleges; in cases where a second numeral is added, it indicates the number of University College majors which the Academic College student has acquired.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abbott, Walter Hazelton,	S.B., 5.	Pennington Seminary.	Camden, N. J.	5622 Ellis av.
Adkinson, Henry Magee,	A.B., 12.	Englewood High School.	Chicago.	5552 Wentworth av.
Agarter, Harriet Coe,	A.B., 14, 2.	Morgan Park Academy.	Lima, O.	B.
Alschuler, Leon,	Ph.B., 3.	South Division High School.	Chicago.	2216 Wabash av.
Anderson, Eva Ellen,	Ph.B.	Hyde Park High School.	Chicago.	5522 East End av.
Apps, Sarah Elizabeth,	Ph.B., 2.	South Side School.	Chicago.	2551 South Park av.
Arnold, Oswald James,	Ph.B., 13.	No. Division High School.	Chicago.	24 Maple st.
Atwood, Harry Fuller,	A.B., 5.	Morgan Park Academy.	Hay City, Kans.	63d st. & Woodlawn av.
Atwood, Wallace Walter,	Ph.B., 12.	W. Division High School.	Chicago.	4531 Forestville av.
Bachellé, Cecil V.,	S.B., 8.	Chicago Academy.	Chicago.	7 G.
Baird, Mary Brooks,	A.B., 13, 1.	Southern Kansas Academy.	Eureka, Kans.	4589 Oakenwald av.
Baker, Georgia Cary,	Ph.B., 11½.	Cornell University.	Harrisville, N. Y.	5316 Jefferson av.
Ballou, Susan Helen,	Ph.B., 10.	Saint Katharine's Hall.	Davenport, Ia.	5558 Drexel av.
Barker, Burt Brown,	A.B., 15½, 1.	Willamette University.	Salem, Oregon.	4806 St. Lawrence av.
Barrett, Charles Raymond,	Ph.B., 5.	Saratoga High School.	Saratoga Springs, N. Y.	5726 Monroe av.
Barrett, Lu Eaves,	Ph.B., 14.	Henderson High School.	Sacramento, Ky.	41 F.
Barrett, Saxton Swayne,	S.B., 3.	So. Division High School.	Chicago.	3230 Calumet av.
Batt, Max,	Ph.B., 9.	So. Division High School.	Chicago.	3752 Elmwood Place.
Beach, Clinton Stilwell,	S.B., 2.	Chicago Preparatory School.	Chicago.	57 Bryant av.
Bell, Glenrose M.,	Ph.B., 13.	Ferry Hall, Lake Forest.	Chicago.	5810 Washington av.
Bennett, Lucy Lovejoy,	A.B., 11.	Evanston High School.	Evanston.	Hotel Barry.
Bishop, William Reed,	Ph.B., 4.	N. Y. State Normal School.	Oswego, N. Y.	5737 Kimbark av.
Bliss, Gilbert Ames,	S.B., 4.	Hyde Park High School.	Chicago.	4528 Lake av.
Bond, William Scott,	A.B., 4.	Preparatory Beloit College.	Chicago.	4025 Drexel boul.
Breeden, Waldo,	Ph.B., 3.	Jamestown High School, N. Y.	Santa Fe, N. M.	5620 Ellis av.
Broek, Herman John,	A.B., 4.	Hope College.	South Holland.	6837 Perry av.
Brown, Carolyn Louise,	A.B., 15.	Phillips Academy, Andover, Mass.	Elgin.	222 Marshfield av.
Brown, James Scott,	A.B., 2.	Omaha High School.	Chicago.	4052 Indiana av.
Browne, Agnes May,	A.B., 7.	Morgan Park Academy.	Morgan Park.	6047 Drexel av.
Butler, Demia,	Ph.B., 14.	Girls' Classical School, Indianapolis.	Indianapolis, Ind.	15 Kl.
Calhoun, Fred Harvey Hall,	S.B.	South Side School.	Auburn, N. Y.	2236 Indiana av.
Campbell, John Tyler,	S.B., 5.	Washburn College, Topeka, Kans.	Cheney, Kans.	5726 Monroe av.
Campbell, Joseph White,	Ph.B., 1.	Phillips Academy, Andover, Mass.	Cambridge, O.	Hotel Barry.
Carpenter, Paul Fant,	Ph.B., 14½, 5½.	Coe College.	Cedar Rapids, Ia.	20 Sn.
Carroll, Percy Peyton	Ph.B., 11½.	Hanover College, Ind.	Marion, Ind.	5800 Kimbark av.
Chace, Henry Thurston, Jr.,	S.B., 11, 2.	Hyde Park High School.	Chicago.	5740 Rosalie ct.
Chamberlin, Elisabeth,	Ph.B., 2.	South Side School.	Chicago.	2311 Indiana av.
Chamberlin, John Clark, Jr.,	A.B., 4.	South Side School.	Chicago.	2311 Indiana av.
Chollar, Wilbur Thomas,	S.B., 11, ½.	Carleton College.	Red Falls, Minn.	Hotel Barry.
Clark, Faith Benita,	Ph.B., 16.	Rockford Seminary.	Rockford, Ill.	9 B.
Clarke, Henry L.,	Ph.B., 14, 9..	So. Division High School.	Chicago.	3338 Calumet av.
Coolidge Elizabeth Teasdale,	S.B. 11, 3½.	So. Division High School.	Chicago.	6036 Oglesby av.
Cornish, Charlotte Harrison,	Ph.B., 5.	Morgan Park Academy.	Gillette, N. J.	44 B.

RECORDS.

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NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Coe Grove, Marion Vernon,	A.B., 5.	<i>South Side Preparatory School.</i>	<i>Chicago.</i>	6315 Oglesby av.
Crاندall, Vinnie May,	Ph.B., 3.	<i>Harvard School.</i>	<i>Chicago.</i>	4443 Berkeley av.
Crouse, Daniel Howard,	A.B., 2.	<i>Lawrenceville.</i>	<i>Chicago.</i>	28 Sn.
Davis, Percy B.,	Ph.B.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	241 Oakwood av.
De Graff, Cora Eames,	A.B., 13.	<i>Evansville Classical School.</i>	<i>Englewood.</i>	6939 Wright st.
Dibell, Charles Dorrance,	A.B., 15.	<i>Morgan Park Academy.</i>	<i>Joliet.</i>	37 Sn.
Dignan, Frank Winans,	A.B., 5.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5853 Indiana av.
Dirks, Lillian Augusta,	A.B., 8.	<i>Jennings Seminary, Aurora.</i>	<i>La Grange.</i>	44 Kl.
Diver, Dora May,	A.B., 12, 2.	<i>Morgan Park Academy.</i>	<i>Waukegan.</i>	10 Kl.
Dornsife, Samuel Seilor,	A.B., 4.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	521 E. 45th st.
Dougherty, Horace Raymond,	A.B., 11.	<i>University of Michigan.</i>	<i>Peoria,</i>	588 E. 60th st.
Dougherty, Ralph Leland,	A.B., 6.	<i>Peoria High School.</i>	<i>Peoria.</i>	6127 Ellis av.
Drew, William Prentiss,	A.B., 8.	<i>Englewood High School.</i>	<i>Chicago.</i>	535 67th st.
Dudley, Raymond Carleton,	Ph.B., 10½.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	2613 Indiana av.
Durand, Herbert Cassius,	A.B., 5.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	435 East 41st st.
Eberhart, Grace Josephine,	Ph.B.	<i>South Side School.</i>	<i>Chicago Lawn.</i>	Chicago Lawn.
Ellis, Mary Virginia,	A.B., 6.	<i>Hannibal High School.</i>	<i>Hannibal, Mo.</i>	35 F.
Ely, Jessie Harrison,	Ph.B.	<i>South Side School.</i>	<i>Englewood.</i>	6805 Perry av.
Esgen, Fred Weaver,	Ph.B.	<i>Notre Dame University.</i>	<i>Oskaloosa, Ia.</i>	Roby, Ind.
Evans, Edward Brice,	A.B., 5.	<i>Cook Academy.</i>	<i>Chicago.</i>	5620 Ellis av.
Fish, Leila Gladys,	Ph.B., 5.	<i>So. Division High School.</i>	<i>Chicago.</i>	3226 Calumet av.
Flanders, Knight French,	A.B.,	<i>South Side School.</i>	<i>Chicago.</i>	64, 23d st.
Flint, Joseph Marshall,	S.B., 13½, 3½.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	265 E. Indiana st.
Flint, Nott William,	A.B., 5.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	265 E. Indiana st.
Ford, Margaret,	A.B., 2.	<i>South Side School.</i>	<i>Chicago.</i>	3756 Ellis av.
Foster, Edith Burnham,	Ph.B., 10.	<i>W. Division High School.</i>	<i>Chicago.</i>	24 B.
Freeman, Grace,	A.B., 14.	<i>Wellesley College.</i>	<i>Aurora.</i>	F.
Friedman, Herbert Jacob,	A.B., 13.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3602 Prairie av.
Friedman, Joseph C.,	Ph.B., 12½.	<i>So. Division High School.</i>	<i>Chicago.</i>	3916 Prairie av.
Furness, Mary,	A.B., 15.	<i>Lyons High School.</i>	<i>De Funiak Springs, Fla.</i>	5657 Cottage Grove av.
Gale, Henry Gordon,	A.B., 14.	<i>Aurora High School.</i>	<i>Aurora.</i>	6127 Ellis av.
Gardner, Effie A.,	Ph.B., 11, ½.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5513 Madison av.
Gatzert, Blanche,	Ph.B., 2.	<i>So. Division High School.</i>	<i>Chicago.</i>	3628 Grand boul.
Gettys, Cora Margaret,	A.B., 15.	<i>Morgan Park Academy.</i>	<i>Englewood.</i>	5855 Wright st.
Gleason, Fred,	S.B., 11, 1.	<i>University of Iowa.</i>	<i>Englewood.</i>	330 Chestnut st.
Goldberg, Hyman Elijah,	S.B., 11½, 9.	<i>W. Division High School.</i>	<i>Chicago.</i>	348 S. Clark st.
Goodhue, Emma Louise,	Ph.B., 15.	<i>Carleton College.</i>	<i>Chicago.</i>	54 Bryant av.
Goodman, Charles Augustus,	A.B., 5.	<i>South Side School.</i>	<i>Chicago.</i>	13 G.
Grant, Forest,	A.B., 5.	<i>Lake Forest College.</i>	<i>Stevens Point, Wis.</i>	5620 Ellis av.
Graves, Eva Bronson,	Ph.B., 4.	<i>Harvard School.</i>	<i>Chicago.</i>	4526 Woodlawn av.
Graves, Laura Belcher,	Ph.B., 5.	<i>Harvard School.</i>	<i>Memphis, Tenn.</i>	4526 Woodlawn av.
Graves, Paul Spencer,	A.B., 14.	<i>Evanston High School.</i>	<i>Evanston.</i>	5620 Ellis av.
Greenbaum, Julius Curtis,	Ph.B.	<i>So. Division High School.</i>	<i>Chicago.</i>	56, 31st st.
Guthrie, Emily Wilson,	A.B., 2.	<i>South Side School.</i>	<i>Chicago.</i>	6416 Peoria st.
Gwin, James Madison,	Ph.B., 4.	<i>Harvard School.</i>	<i>Chicago.</i>	4060 Ellis av.
Haft, Della May,	Ph.B., 10.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	163, 25th st.
Hale, Berdena Mabel,	A.B., 13, ½.	<i>Wayland Academy.</i>	<i>Omro, Wis.</i>	Hotel Barry.
Hartley, Elmer Ellsworth,	A.B., 6.	<i>Morgan Park Academy.</i>	<i>Gurnee.</i>	30 Sn.
Hay, Fannie Steele,	Ph.B., 5.	<i>Butler University.</i>	<i>Englewood.</i>	5626 Jefferson av.
Hering, Frank Earle,	Ph.B., 3.	<i>Williamsport High School.</i>	<i>Williamsport, Pa.</i>	45 Sn.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hewitt, Helen Orme,	Ph.B., 2.	<i>South Side School.</i>	<i>Chicago.</i>	5535 Lexington av.
Hewitt, Henry Harwood,	A.B., 10.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5535 Lexington av.
Hobart, Ralph Hastings,	S.B., 14.	<i>Beloit College.</i>	<i>Chicago.</i>	5110 East End av.
Holloway, Harry Cyrus,	S.B., 7½, 5.	<i>Chicago Manual Training School.</i>	<i>Chicago.</i>	3436 Prairie av.
Hosic, James Fleming,	Ph.B., 10, 5.	<i>Nebraska State Normal School.</i>	<i>Tecumseh, Neb.</i>	64 Sn.
Hubbard, Harry David,	A.B., 9, 8½.	<i>Temple College.</i>	<i>Philadelphia, Pa.</i>	25 G.
Hubbard, Mildred,	Ph.B., 6.	<i>Mt. Holyoke College.</i>	<i>Winchester.</i>	44 B.
Hughes, Robert Lee,	A.B., 17.	<i>Mount Hermon School, Massachusetts.</i>	<i>Prospect, N. Y.</i>	324, 57th st.
Hulbert, Clara Delia,	A.B., 13½.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	Morgan Park.
Hulshart, John,	A.B., 15.	<i>Peddie Institute, N. J.</i>	<i>Lakewood, N. J.</i>	46 Sn.
Hurlbut, Lila Cole,	Ph.B., 12.	<i>Omaha High School.</i>	<i>Chicago.</i>	467 Bowen av.
Hutchings, Josephine L.,	Ph.B., 5.	<i>Miss Lupton's School.</i>	<i>Madison, Ind.</i>	42 F.
Hyman, Isaac Barney,	A.B., 4½, 1.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	83, 33d st.
Jackson, Cora Belle,	A.B., 10½, 1.	<i>Howard University, Washington, D. C.</i>	<i>Chicago.</i>	5429 Jackson av.
Jenkinson, Harriet E.,	Ph.B., 3.	<i>South Side School.</i>	<i>Chicago.</i>	410, 64th st.
Johann, Lillie,	S.B., 2.	<i>Springfield High School.</i>	<i>Springfield.</i>	23 Kl.
Johnson, Ralph Hiram,	A.B., 14.	<i>Kenyon Military Academy, Ohio.</i>	<i>Marion, Ind.</i>	588 E. 60th st.
Johnson, Victor Oscar,	A.B., 12½, 2.	<i>Northwestern University.</i>	<i>Genoa, Neb.</i>	Geneva Hotel.
Jones, Nellie Lander,	Ph.B., 11, 1.	<i>Mt. Holyoke College.</i>	<i>Peoria.</i>	5415 Cottage Grove av
Jordan, Herbert Ray,	Ph.B., 4.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5742 Monroe av.
Kane, Theodosia,	Ph.B., 4.	<i>Chicago Academy.</i>	<i>Chicago.</i>	18 Kl.
Karpen, Julius,	Ph.B., 14, 1.	<i>University of Illinois.</i>	<i>Chicago.</i>	36 Potomac av.
Keeler, Harry,	S.B., 10, 1½.	<i>University of Illinois.</i>	<i>Chicago.</i>	4325 Langley av.
Kellogg, Edith Sarah,	S.B., 14, 1.	<i>Academy Iowa College.</i>	<i>Correctionville, Ia.</i>	2978 Indiana av.
Kells, Mabel,	A.B., 3, 1.	<i>Sauk Centre High School.</i>	<i>Sauk Centre, Minn.</i>	9 F.
Kennedy, Jennette,	Ph.B., 2.	<i>Ferry Hall Seminary.</i>	<i>Rib Lake, Wis.</i>	21 Kl.
Kerr, Mary Luella,	A.B., 14, ½.	<i>Morgan Park Academy.</i>	<i>Washington, Iowa.</i>	543, 55th st.
Klock, Martha Frances,	A.B., 15.	<i>Smith College.</i>	<i>Oneida, N. Y.</i>	30 B.
Lagergren, Gustaf Petrus,	A.B., 3.	<i>South Side School.</i>	<i>Morgan Park.</i>	Morgan Park, Ill.
Lamay, John,	S.B. 10½, 8.	<i>Northwestern University.</i>	<i>Evanston.</i>	14 Sn.
Lansingh, Van Rensselaer,	S.B., 8½, 2.	<i>College of City of N. Y.</i>	<i>Chicago.</i>	5109 Kimbark av.
Law, Robert, Jr.,	Ph.B., ½.	<i>South Side School.</i>	<i>Chicago.</i>	5413 Madison av.
Liebenstein, Sidney Charles,	Ph.B., 5.	<i>South Side School.</i>	<i>Chicago.</i>	3740 Forest av.
Lingle, Bowman Church,	A.B., 12.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3144 Vernon av.
Linn, James Weber,	A.B., 9.	<i>Buena Vista College.</i>	<i>Storm Lake, Ia.</i>	38 Sn.
Lipsky, Harry Alexander,	Ph.B., 8.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	81, 31st st.
Livingston, Frederick Jacob,	Ph.B.,	<i>No. Division High School.</i>	<i>Chicago.</i>	5724 Drexel av.
Loeb, Ludwig,	S.B., 9.	<i>No. Division High School.</i>	<i>Chicago.</i>	528 Dearborn st.
Loesch, Angie,	A.B., 2.	<i>No. Division High School.</i>	<i>Chicago.</i>	6 F.
Luttrell, Estelle,	A.B., 14.	<i>Christian University.</i>	<i>Canton, Mo.</i>	5724 Drexel av.
Macomber, Charles Coombs,	Ph.B., 5.	<i>Simpson College.</i>	<i>Carroll, Ia.</i>	48 Sn.
Mandel, Edwin Frank,	A.B., 2.	<i>Harvard School.</i>	<i>Chicago.</i>	5 G.
Mannhardt, William,	Ph.B., 9.	<i>W. Division High School.</i>	<i>Chicago.</i>	48 Sn.
Marsh, Isaac Clarence,	A.B., 3.	<i>South Side School.</i>	<i>Chicago.</i>	3100 Groveland av.
Maynard, Mary Dunklee,	Ph.B., 14½.	<i>Vassar College.</i>	<i>Milwaukee, Wis.</i>	20 B.
McCaw, John Alexander,	A.B.	<i>Woodstock College.</i>	<i>Woodstock.</i>	5622 Ellis av.
McClintock, Anna James,	Ph.B., 11, 3.	<i>Millersburgh Female College.</i>	<i>Millersburgh, Ky.</i>	4 Kl.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
McGee, Harry Lavergne,	Ph.B.	<i>South Side School.</i>	<i>Chicago.</i>	1927 Indiana av.
McGillivray, Clifford Bottsford,	S.B., 8.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3727 Vernon av.
McWilliams, Anne Louise,	Ph.B., 2.	<i>Ferry Hall Seminary.</i>	<i>Odell.</i>	17 Kl.
McWilliams, Mary Elizabeth,	Ph.B., 13.	<i>Ferry Hall Seminary.</i>	<i>Odell.</i>	16 Kl.
Messick, Elizabeth,	Ph.B., 13.	<i>Miss Higbee's Academy, Tenn.</i>	<i>Memphis, Tenn.</i>	15 Kl.
Messing, Abraham Joseph,	A.B., 12.	<i>University of Cincinnati.</i>	<i>Chicago.</i>	3446 Wabash av.
Minard, Frederick Horace,	S.B., 14½, 4.	<i>Drury College.</i>	<i>Chicago.</i>	5620 Ellis av.
Minnick, Arthur,	A.B., 6, 1.	<i>Englewood High School.</i>	<i>Chicago.</i>	6029 Ellis av.
Mitchell, Wesley Clair,	A.B., 14, 1.	<i>Decatur High School.</i>	<i>Decatur.</i>	2310 Indiana av.
Moffatt, William Eugene,	A.B., 15.	<i>No. Division High School.</i>	<i>Chicago.</i>	4618 State st.
Morgan, Marion Sherman,	Ph.B., 11½.	<i>Smith College.</i>	<i>Chicago.</i>	26 F.
Mosser, Stacy Carroll,	Ph.B., 4.	<i>Hedding College.</i>	<i>Abingdon.</i>	64 Sn.
Neel, Carr Baker,	S.B., 8, 5.	<i>Oakland High School, Cal.</i>	<i>Chicago.</i>	3718 Ellis av.
Nelson, Jessie Louisa,	Ph.B., 2.	<i>Columbian College, Washington, D. C.</i>	<i>Helena, Montana.</i>	35 F.
Nichols, Frederick Day,	A.B., 10.	<i>Cedar Valley Seminary, Ia.</i>	<i>Osage, Ia.</i>	54 Sn.
Odell, Jean Ingelow,	A.B., 5, 1.	<i>W. Division High School.</i>	<i>Chicago.</i>	903 Kedzie av.
Oglevee, Nannie Gourley,	Ph.B., 2.	<i>Wells College.</i>	<i>Columbus, O.</i>	3000 Indiana av.
Osgood, Ella Maria,	Ph.B., 5.	<i>Oneida High School, N. Y.</i>	<i>Verona, N. Y.</i>	30 B.
Peabody, Earll William,	Ph.B., 11.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5747 Madison av.
Perkins, Mary,	Ph.B., 5.	<i>W. Division High School.</i>	<i>Chicago.</i>	28 Kl.
Pershing, Ward Beecher,	S.B., 4.	<i>South Side School.</i>	<i>Chicago.</i>	337, 53d st.
Peterson, Harvey Andrew,	A.B., 5.	<i>St. Louis High School.</i>	<i>St. Louis, Mo.</i>	34 Sn.
Pienkowsky, Arthur Thaddeus,	A.B., 1, 1.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5806 Drexel av.
Pike, Charles Sumner,	A.B., 13.	<i>So. Division High School.</i>	<i>Chicago.</i>	3908 Ellis av.
Plant, Thomas Jefferson,	A.B., 1.	<i>Lake High School.</i>	<i>Chicago.</i>	3915 Dearborn st.
Porterfield, Cora Maude,	A.B., 10.	<i>Illinois State Normal University.</i>	<i>Normal.</i>	3715 Langley av.
Purcell, Margaret,	Ph.B., 13½.	<i>College of Emporia, Kans.</i>	<i>Manhattan, Kans.</i>	13 Kl.
Radford, May Eugenia,	A.B., 8.	<i>Leroy Union School, N. Y.</i>	<i>Buffalo, N. Y.</i>	3901 Prairie av.
Ramsey, Stanley Mathews,	A.B., 15½, 1.	<i>Williams College.</i>	<i>Cincinnati, O.</i>	Hotel Barry.
Rand, Philip,	Ph.B., 4.	<i>Phillips Exeter Academy.</i>	<i>Chicago.</i>	588 E. 60th st.
Raycroft, Joseph Edward,	A.B., 14.	<i>Worcester Academy, Mass.</i>	<i>Boston, Mass.</i>	21 Sn.
Robertson, Stella,	A.B., 16.	<i>Albion High School, N. Y.</i>	<i>Albion, N. Y.</i>	46 Kl.
Robinson, Frank Benjamin,	Ph.B.	<i>South Division High School.</i>	<i>Chicago.</i>	40 Aldine sq.
Roby, Charles Foster,	Ph.B.	<i>Notre Dame University.</i>	<i>Roby, Ind.</i>	134 Van Buren st.
Rothschild, Isaac Solomon,	S.B., 5.	<i>W. Division High School.</i>	<i>Chicago.</i>	427 Carroll av.
Russell, Loren Milford,	S.B., 7, 1.	<i>Morgan Park Academy.</i>	<i>Englewood.</i>	6357 Stewart av.
Sampeall, Marshall Emmett,	A.B., 11.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	6851 Wentworth av.
Sass, Louis,	Ph.B., 14, 1.	<i>W. Division High School.</i>	<i>Chicago.</i>	52 Sn.
Schnelle, Friedrich Oscar,	S.B., 11½, 1.	<i>Real Gymnasium, Landshut (Germany).</i>	<i>Görlitz, Germany.</i>	36 Sn.
Schwarz, Edith Ewing,	Ph.B., 5.	<i>Englewood High School.</i>	<i>Englewood.</i>	6901 Harvard st.
Sherman, Franklyn Cole,	A.B., 13, 6.	<i>Cornell College.</i>	<i>Chicago.</i>	4204 Calumet av.
Sherwin, Annette,	A.B., 14, ¼.	<i>Wellesley College.</i>	<i>Denver, Col.</i>	3033 Groveland av.
Shreve, Royal Ornan,	Ph.B.	<i>Illinois Wesleyan University.</i>	<i>Bloomington.</i>	5831 Madison av.
Simpson, Burton Jesse,	S.B., 4½.	<i>Morgan Park Academy.</i>	<i>Moline.</i>	6302 Woodlawn av.
Sincere, Victor Washington,	A.B., 4.	<i>South Side School.</i>	<i>Chicago.</i>	2974 Wabash av.
Smith, Henry Justin,	A.B., 14.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	Morgan Park.
Smith, Kenneth Gardner,	A.B., 12½.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5836 Drexel av.
Speer, Henry Dallas,	Ph.B., 14, 2½.	<i>Williams College.</i>	<i>Chicago.</i>	161, 30th st.
Sperans, Joel,	S.B., 12½, 2.	<i>Gymnasium. Taganrog, Russia.</i>	<i>Russia.</i>	16 Sn.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Steigmeyer, Frederick Frank	S.B., 4.	<i>Buchtel College.</i>	<i>Attica, O.</i>	5418 Greenwood av.
Stevens, Raymond William,	A.B., 7, 1.	<i>South Side School.</i>	<i>Chicago.</i>	3574 Vincennes av.
Stone, Harry Wheeler,	A.B., 13.	<i>So. Division High School.</i>	<i>Chicago.</i>	3411 Vernon av.
Stowell, Reuben Giles,	S.B., 14, 1.	<i>No. Division High School.</i>	<i>Chicago.</i>	58 Sn.
Tefft, Nellie Edna,	A.B., 5.	<i>Elgin High School.</i>	<i>Elgin.</i>	27 F.
Thomas, Ida May,	Ph.B., 4.	<i>Morgan Park Academy.</i>	<i>Sioux City, Ia.</i>	Hotel Barry.
Thomas, Mary Susan,	Ph.B., 14, 1.	<i>Northwestern University.</i>	<i>Myersdale, Pa.</i>	Students' Hall, Englewood.
Thompson, Emily Churchill,	A.B., 4.	<i>Like High School.</i>	<i>Chicago.</i>	4457 Emerald av.
Todd, Elmer Ely,	A.B., 15.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5535 Lexington av.
Tolman, Cyrus Fisher, Jr.,	A.B., 11½, 1.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	41 University Place.
Tooker, Robert Newton, Jr.,	A.B., 6.	<i>University School.</i>	<i>Chicago.</i>	29 Sn.
Trumbull, Donald Shurtleff,	A.B., 3.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4544 Oakenwald av.
Vaughan, L. Brent,	Ph.B., 11½.	<i>Oberlin College.</i>	<i>Swanton, O.</i>	5831 Madison av.
Vaughan, William Cain,	S.B., 1.	<i>South Side School.</i>	<i>Richmond, Ind.</i>	5475 Kimbark av.
Wales, Henry Whitwell, Jr.,	Ph.B., 11.	<i>Hyde Park High School.</i>	<i>Lanark.</i>	62, 43d st.
Wallace, Emma,	A.B., 11.	<i>Englewood High School.</i>	<i>Englewood.</i>	748, 71st st.
Walling, William English,	S.B., 7.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4127 Drexel boul.
Walls, Emma Beales,	Ph.B., 10½, 1.	<i>Northwestern University.</i>	<i>Chicago.</i>	4334 Greenwood av.
Weingarten, Frederick Simon,	S.B., 13½, 7.	<i>College of City of N. Y.</i>	<i>Chicago.</i>	3237 Calumet av.
Wiley, Harry Dunlap,	S.B., 9.	<i>Princeton High School.</i>	<i>Dunlap.</i>	5836 Drexel av.
Williams, Charles Byron,	A.B., 11.	<i>University of Rochester.</i>	<i>Minneapolis, Minn.</i>	6127 Sheridan av.
Willis, Gwendolin Brown,	A.B., 14½.	<i>Racine Academy.</i>	<i>Racine, Wis.</i>	5551 Lexington av.
Williston, Frances Greenwood,	A.B., 15½, 1.	<i>So. Division High School.</i>	<i>Elmhurst.</i>	43 B.
Winston, Alice,	A.B., 3.	<i>South Side School.</i>	<i>Chicago.</i>	363 E. 58th st.
Winston, Charles Sumner,	A.B., 10.	<i>South Side School.</i>	<i>Chicago.</i>	363 E. 58th st.
Wolff, Henry D.,	S.B., 7½.	<i>Chicago Academy.</i>	<i>Evanston.</i>	Hotel Vendome.
Wolff, Louis, Jr.,	S.B., 4, 1.	<i>Chicago Academy.</i>	<i>Chicago.</i>	43 Harcourt Bldg.
Woods, William Brenton,	Ph.B., 12½, 5.	<i>University of Michigan.</i>	<i>Chicago.</i>	395, 57th st.
Woodward, Vernie Emma,	A.B., 14½.	<i>Meriden High School.</i>	<i>Meriden, Conn.</i>	44 Kl.
Wooley, Paul Gerhardt,	S.B., 3.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	5748 Kimbark av.
Yarzembksi, Vladyslas,	S.B., 5½.	<i>N. W. Division High School.</i>	<i>Chicago.</i>	1061 N. Hoyne av.

TOTAL, 220.

THE UNCLASSIFIED STUDENTS.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abells, Harry Delmont,	<i>Mt. Hermon (Northfield, Mass.)</i>	<i>Uxbridge, Mass.</i>	60th st. & Wharton av.
Adams, Julia Regula,	<i>Kirkland School.</i>	<i>Chicago.</i>	11 Kl.
Alling, Harriet Sarah,	<i>Oswego Nor. and Train. School, New York.</i>	<i>Moreland.</i>	5443 Jackson av.
Anderson, Esther Lowell,	<i>Adelphi Academy (N. Y.)</i>	<i>Chicago.</i>	5612 Drexel av.
Austin, Helen Maria,	<i>College of France and the Sorbonne.</i>	<i>Ilion, N. Y.</i>	46 F.
Bacon, Maud,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	221 E. 47th st.
Battis, Annie Louisa,	<i>Burr & Burton Seminary.</i>	<i>Manchester, Vt.</i>	13 B.
Beardsley, Anna Poole,	<i>Fem. High School, Baltimore.</i>	<i>Washington, Ark.</i>	5620 Ellis av.
Berry, Maud,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5638 Madison av.
Bowers, Abraham,	<i>Mt. Morris College.</i>	<i>St. Joseph.</i>	5747 Lexington av.
Braam, Jacob William,	<i>Chicago Institute of Technology.</i>	<i>Chicago.</i>	82 D.
Brown, Mary Spalding, Mrs.,	<i>Rockford High School.</i>	<i>Chicago.</i>	4637 Greenwood av.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Casteel, Mary Elizabeth,	<i>Geneseo Collegiate Institute.</i>	<i>Geneseo.</i>	5724 Drexel av.
Chapin, Lillian,	<i>W. Division High School.</i>	<i>Chicago.</i>	5418 Kimbark av.
Clark, Grace Newsome, Mrs.	<i>Drury College.</i>	<i>Springfield, Mo.</i>	14 Kl.
Cobbs, Thomas Harper,	<i>Missouri Valley College.</i>	<i>Roodhouse, Ill.</i>	438 E. 57th st.
Comstock, Louise Bates,	<i>Packer Institute, Brooklyn, N. Y.</i>	<i>Rochester, N. Y.</i>	5740 Monroe av.
Cortner, John Lee,	<i>Terrell College.</i>	<i>Wartrace, Tenn.</i>	5816 Washington av.
Cuddeback, Elnora,	<i>Alma College.</i>	<i>Grand Rapids, Mich.</i>	6036 Woodlawn av.
Davis, Alvin Edward,	<i>Wayland Academy.</i>	<i>Marinette, Wis.</i>	6124 Wharton av.
Dawes, Sarah Louisa,	<i>Wheaton Seminary, Norton, Mass.</i>	<i>Petersham, Mass.</i>	13 B.
Dickerson, Spencer Cornelius,	<i>Tillotson Institute, Austin.</i>	<i>Austin, Texas.</i>	3 Sn.
Engle, Alice Barker, Mrs.,		<i>Chicago.</i>	107, 44th st.
Gallion, Charles Horace,	<i>Illinois Wesleyan University.</i>	<i>St. Joseph.</i>	Hotel Barry.
Geiger, Minnie,	<i>Campbell University.</i>	<i>South Amana, Iowa.</i>	6941 Laffin st. Engle wood.
George, Abigail Matilda,	<i>Cedar Rapids High School, Iowa.</i>	<i>Chicago.</i>	4744 Kenwood av.
Goodspeed, Edith Maria,	<i>Iowa State Normal.</i>	<i>Omaha, Neb.</i>	34 B.
Goss, Mary Lathrop,	<i>Plano High School, Illinois.</i>	<i>Plano.</i>	4020 Ellis av.
Grant, Jane Katherine,	<i>Vassar College.</i>	<i>St. Paul, Minn.</i>	8 F.
Gray, Charlotte C., Mrs.	<i>College of Liberal Arts, Chautauqua.</i>	<i>Albany, N. Y.</i>	16 B.
Hannan, Louise Mary,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5134 Grand Boul.
Hessler, John Charles,	<i>Northwestern University.</i>	<i>Chicago.</i>	346, 55th st.
Hill, Elizabeth Gertrude,	<i>Mt. Holyoke Seminary.</i>	<i>Red Wing, Minn.</i>	5332 Drexel av.
Howerth, Cora Olive, Mrs.,	<i>Cambridge English High School.</i>	<i>Chicago.</i>	5709 Drexel av.
Johnston, Lucy Marian,	<i>Mrs. Loring's School.</i>	<i>Chicago.</i>	6 Wellington pl.
Keen, Ida Edwards, Mrs.,	<i>Albion College.</i>	<i>Chicago.</i>	4555 Ellis av.
Kelso, Wilber Madison.	<i>Morgantown High School.</i>	<i>Plattsmouth, Neb.</i>	Hotel Barry.
Kennedy, Mary,	<i>Monmouth College.</i>	<i>Franks.</i>	6142 Oglesby av.
Kingsley, Julius Stanton,	<i>Genesee Wesleyan Seminary.</i>	<i>Chicago.</i>	623, 55th st.
Leonard, Bessie,	<i>Wellesley College.</i>	<i>Easthampton, Mass.</i>	6460 Oglesby av.
MacDougal, Lydia A.,	<i>Potsdam State Normal School.</i>	<i>Malone, N. Y.</i>	37 Kl.
Matz, Evelyn,	<i>Chicago High School.</i>	<i>Chicago.</i>	431 Oak st.
McCalla, Emery Ellsworth,	<i>Pontiac High School.</i>	<i>Pontiac.</i>	6034 Woodlawn av.
McKinley, Albert Edward,	<i>Temple College, Philadelphia.</i>	<i>Philadelphia, Pa.</i>	25 G.
McWhirt, Mary Celestia, Mrs.,	<i>Cook County Normal School.</i>	<i>Chicago.</i>	6036 Woodlawn av.
Mitchell, Florence Louise,	<i>Maine Wesleyan College.</i>	<i>Englewood,</i>	14 B.
Moran, Alice Elizabeth,	<i>Visitation Academy (D. C.)</i>	<i>Chicago.</i>	4710 Vincennes av.
Munson, Sarah,	<i>MacDonald Ellis School (D. C.)</i>	<i>Chicago.</i>	5627 Monroe av.
Nacey, Helen Arabella,	<i>St. Mary's Academy (Notre Dame, Ind.)</i>	<i>Chicago.</i>	4501 Indiana av.
Niblock, Rachel Elizabeth,	<i>Coe College.</i>	<i>Colfax, Wash.</i>	40 F.
O'Connor, Nellie Johnson,	<i>Chauncey Hall School (Mass.)</i>	<i>Chicago.</i>	3565 Forest av.
Otis, Marion Louise.	<i>Kirkland School, Chicago.</i>	<i>Chicago.</i>	294 Huron st.
Paddock, Catherine Dix,	<i>No. Division High School.</i>	<i>Chicago.</i>	5457 Cornell av.
Parker, Marilla Zeroyda,	<i>Colby Academy (N. H.)</i>	<i>Brodhead, Wis.</i>	5550 Drexel av.
Payne, Walter A.,	<i>Missouri State Normal.</i>	<i>Hurdland, Mo.</i>	5800 Jackson av.
Pooley, William John,	<i>Albion College.</i>	<i>Scales Mound.</i>	5800 Jackson av.
Porter, Josephine Leslie,	<i>Rockford Seminary.</i>	<i>Monroe Centre.</i>	389, 57th st.
Rice, Elbridge Washburn,	<i>Pontiac High School.</i>	<i>Pontiac.</i>	6034 Woodlawn av.
Robbins, Simeon Volney,	<i>Illinois University.</i>	<i>Lamont.</i>	5479 Kimbark av.
Rowan, Jean Morton,	<i>Morgan Park Academy.</i>	<i>Almont, Mich.</i>	5836 Drexel av.
Runyon, Laura Louise,	<i>Plainfield High School.</i>	<i>Plainfield, N. J.</i>	45 Kl.
Schafer, Dora Louise,	<i>Cincinnati High School.</i>	<i>Fort Madison, Ia.</i>	5622 Ellis av.
Scudder, John Arnold,	<i>St. Paul's School, Concord, N. H.</i>	<i>Chicago.</i>	5825 Kimbark av.

THE QUARTERLY CALENDAR.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Shallies, Guy Wheeler,	<i>Buffalo Normal School.</i>	<i>Arcade, N. Y.</i>	42 Sn.
Shibley, Mary Capitola,	<i>Northwestern University.</i>	<i>Chicago.</i>	6128 Lexington av.
Smith, Franklin Currier,	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5620 Ellis av.
Stapp, Belle,	<i>Aurora (Ind.) High School.</i>	<i>Lawrenceburgh, Ind.</i>	5722 Kimbark av.
Stover, Jessie Belle,	<i>University of South Dakota.</i>	<i>Centreville S. Dak.</i>	5622 Ellis av.
Stückrath, Justus Henry,	<i>Iowa State Normal School.</i>	<i>Osage, Ia.</i>	5825 Kimbark av.
Sturges, Mrs. Helen,	<i>Gannett Institute (Mass.).</i>	<i>Chicago.</i>	5627 Monroe av.
Swett, Mary Chase,	<i>Cook County Normal School.</i>	<i>Chicago.</i>	5006 Washington av.
Vance, Rufus Adair,	<i>Missouri Valley College.</i>	<i>Marshall, Mo.</i>	438 E. 57th st.
Walsh, Harry Frederick,	<i>South Side School.</i>	<i>Chicago.</i>	376, 40th st.
Wieland, Otto E.,	<i>Proseminary (Elmhurst.)</i>		35 Sn.
Williams, Charles Lewis,	<i>California College.</i>	<i>Santa Clara, Cal.</i>	
Wilmarth, Anna Hawes,	<i>Miss Herrig's School.</i>	<i>Chicago.</i>	29 B.
Wilson, William Otis,	<i>Western Normal College</i>	<i>Bushnell.</i>	45 Sn.
Witt, Hattie C.,	<i>Vassar College.</i>	<i>Belvidere.</i>	23 F.
Wollpert, Marie,	<i>Girls' Seminary, Stillport.</i>	<i>San Francisco, Cal.</i>	50 B.

TOTAL, 79.

SUMMARY (WINTER QUARTER, 1894).

GRADUATE STUDENTS,	School of Arts and Literature,	-	-	-	-	-	169
	Ogden School of Science,	-	-	-	-	-	69
	Non-Resident Students,	-	-	-	-	-	23
DIVINITY STUDENTS,	Graduate Divinity School,	-	-	-	-	-	87
	English Theological Seminary,	-	-	-	-	-	24
	Danish-Norwegian Theological Seminary,	-	-	-	-	-	4
	Swedish Theological Seminary	-	-	-	-	-	13
UNIVERSITY COLLEGE STUDENTS,	-	-	-	-	-	-	73
ACADEMIC COLLEGE STUDENTS,	-	-	-	-	-	-	220
UNCLASSIFIED STUDENTS,	-	-	-	-	-	-	79
							761
DEDUCT NAMES REPEATED,							6
TOTAL,							755

CONSTITUENCY OF CLASSES, SPRING QUARTER, 1894.

REMARKS: 1. The numbers of departments and courses correspond, in general, to those of the ANNUAL REGISTER and CAL-
ENDAR No. 8, in the University proper, and in the Divinity School.

2. All classes recite in Cobb Lecture Hall, unless otherwise stated. The four floors of this building are lettered, the first being
A, and the rooms numbered.

3. Abbreviations: *K*=Kent Chemical Laboratory; *R*=Ryerson Physical Laboratory; *W*=Walker Museum; *g*=Graduate
Student; *u*=University College Student; *a*=Academic College Student; *d*=Divinity Student. Where not otherwise designated,
the student is unclassified.

4. Numerals in parentheses at the end of each list indicate the number of students taking the course.

5. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the
University, in the Registrar's office.

THE SCHOOLS OF ARTS, LITERATURE, AND SCIENCE.

I. A. PHILOSOPHY.

R. and C. 13-17.

(Students, 43; courses registered, 63).

Advanced Psychology. DM. (10)

ASSOCIATE PROFESSOR STRONG.

Baker, <i>g</i>	Campbell, <i>g</i>	Stafford, <i>g</i>	(8)
Bixon, <i>d</i>	Cuddeback,	Wood, <i>g</i>	
Bray, <i>g</i>	Payne,		

Seminar in Psychology. DM. (16)

ASSOCIATE PROFESSOR STRONG.

Sisson, <i>g</i>	Stafford, <i>g</i>	(2)
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Movements of Thought in the Nineteenth Century.

M. 1st Term. (4a)

ASSISTANT PROFESSOR TUFTS.

Goldberg, <i>a</i>	Payne,	Spalding, <i>u</i>	(19)
Henry, <i>g</i>	Pierce, <i>u</i>	Taylor, <i>g</i>	
Lathe, <i>g</i>	Porter J. L.,	Tompkins, <i>g</i>	
Love, <i>g</i>	Porter, E., <i>a</i>	Wilkins, <i>g</i>	
Milligan, <i>g</i>	Sanders, <i>g</i>	Wood, <i>g</i>	
Milliman, <i>g</i>	Smith, M. C., <i>g</i>	Zeublin, <i>g</i>	
Otis,			

Advanced Logic and Theory of Knowledge. M. 1st Term. (11)

ASSISTANT PROFESSOR TUFTS.

(Course not taken).

Introductory Course: Philosophy. DM. (3)

DR. MEZES.

Bronson, <i>d</i>	Hopkins, <i>a</i>	Munson,	(17)
Carpenter, <i>a</i>	Howard, <i>u</i>	Strawn, <i>a</i>	
Clarke, <i>a</i>	Leiser, <i>a</i>	Walker, <i>u</i>	
Curtis, <i>u</i>	Marot, <i>u</i>	Williams, <i>u</i>	
Davis	Mathews, <i>u</i>	Wyant, <i>u</i>	
Hoebcke, <i>u</i>	Moore, <i>u</i>		

Spencer's First Principles. M. 2d Term. (9)

DR. MEZES.

Bronson, <i>d</i>	Otis,	Sanders, <i>g</i>	(17)
Goldberg, <i>a</i>	Payne,	Spalding, <i>u</i>	
Henry, <i>g</i>	Pierce, <i>u</i>	Taylor, <i>g</i>	
Love, <i>g</i>	Porter, J. L.	Tompkins, <i>g</i>	
Milligan, <i>g</i>	Porter, E., <i>a</i>	Wood, <i>g</i>	
Millman, <i>g</i>			

II. POLITICAL ECONOMY.

C. 3-8.

(Students, 43; courses registered, 68).

Economic Seminar. DM. (19)

HEAD PROFESSOR LAUGHLIN.

Cummings, <i>g</i>	Northrup, <i>g</i>	Thompson, <i>g</i>	(6)
Grant, L. C., <i>g</i>	Sikes, <i>g</i>	White, H. K., <i>g</i>	

Unsettled Problems of Economic Theory. DM. (4)

HEAD PROFESSOR LAUGHLIN.

Chandler, <i>g</i>	Stowe, <i>g</i>	White, H. K., <i>g</i>	(9)
Cummings, <i>g</i>	Tunell, <i>g</i>	Williams, F. N., <i>g</i>	
Paden, <i>g</i>	West, M., <i>g</i>	Willis, <i>g</i>	

Seminar in Finance. DM. (18)

PROFESSOR A. C. MILLER.

Brown, <i>g</i>	Stowe, <i>g</i>	Tunell, <i>g</i>	(5)
Catterall, <i>g</i>	Thurston, <i>g</i>		

Financial History of the United States. DM. (14)

PROFESSOR A. C. MILLER.

Barnes, <i>u</i>	McCalla, <i>u</i>	Williams, J., <i>a</i>	(7)
Curtis, <i>u</i>	Paden, <i>g</i>	Willis, <i>g</i>	
Jude, <i>g</i>			

Social Economics. DM. (8B)

ASSOCIATE PROFESSOR BEMIS.

Porter, J. L.,	Sikes, <i>g</i>	Wilkinson, <i>g</i>	(3)
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Scope and Method of Political Economy. DM. (3)

DR. CALDWELL.
 Barrett, *g* Hardy, *g* Sikes, *g*
 Grant, L. C., *g* Herron, *g* Ware, *g* (6)

History of Political Economy. DM. (5)

DR. CALDWELL.
 Dye, *g* Learned, *g* Willis, *g* (5)
 Fenelon, *g* Mitchell, *a*

Railway Transportation. DM. (12)

Herron, *g* MR. HILL. (1)

Tariff History. DM. (13)

MR. HILL.
 Barrett, *g* Miller, R. N., *g* Sass, *a*
 Hardy, *g* Mitchell, *a* Stowe, *g*
 Lipskey, *a* Ramsey, *u* Williams, F. N., *g* (9)

Socialism. DM. (7)

DR. VEBLEN.
 Boyd, *g* Ware, *g* Williams, F. N., *g* (4)
 Hardy, *g*

Advanced Statistics. (Research work). DM. (11)

DR. HOURWICH.
 White, H. K., *g* (1)

State Interference in the Distribution of Wealth. DM. (8A)

MR. CUMMINGS.
 (Course not taken).

Oral Debates. DM. (18)

MESSRS. HILL, LOVETT, AND CLARK.
 Barnes, *u* Moseley, *g* Thurston,
 Barnard, H., *a* Rice, Wilkins, *g*
 Behan, *u* Sass, L., *a* Williams, *g*
 McCalla, Stowe, *g* Willis, *g* (12)

III. POLITICAL SCIENCE.

C. 1, 9, 10, 12.

(Students, 86; courses registered, 93).

Seminar in Politics. DM. (1)

HEAD PROFESSOR JUDSON.
 Blakely, *g* Mead, *g* Wilcox, *g*
 Brown, *g* Thompson, *g* Willard, L., *g* (7)
 Dingee, *a*

Comparative Politics. DM. (4)

HEAD PROFESSOR JUDSON.
 Alden, *g* Farr, *g* Rullkoetter, *g*
 Brown, *g* Knox, *g* Sikes, *g*
 Chandler, *u* MacDougal, Start, *g*
 Davis, *g* Miller, *g* Stowe, *g*
 Dorman, *g* Mosley, *g* Tunncliffe, *g*
 Dye, *g* Northrup, *u* Wallin, *g* (18)

Elements of Political Science. DM. (6)

HEAD PROFESSOR JUDSON.
 Atwood, W., *a* Davis, A., Moseley, *g*
 Barnard, *a* Eastman, *u* Strawn, *a*
 Barrett, *g* Fertig, *g* Wallin, *g*
 Chandler, *u* Grant, *g* Wilson, (14)
 Curtis, *u* Howard, *u*

Research. DM.

Start, *g* WALLACE, *g* (2)
 HEAD PROFESSOR JUDSON.

International Law. DM. (9)

PROFESSOR LAWRENCE.
 (Course not given).

The Geography of Europe. DM. (16)

(Two Sections). MR. CONGER.
 Adams, Gleason, *a* Pierce, L., *u*
 Alden, *g* Greenbaum, *a* Ramsey, *u*
 Bishop, *a* Hewitt, H., *a* Rand, *a*
 Bond, *a* Hering, *a* Robinson, I., *u*
 Brown, *a* Holloway, *a* Roby, *a*
 Calhoun, *a* Johnson, *a* Roosa, *u*
 Campbell, *a* Liebenstein, *a* Russell, L., *a*
 Caraway, *a* Livingstone, *a* Sampson, *a*
 Chadbourn, *u* Loeb, *a* Smith, *a*
 Chollar, *a* McGee, *a* Speer, *a*
 Cortner, McGillivray, *a* Stevens, *a*
 Dibell, *a* Nelson, *a* Steigmeyer, *a*
 Dickerson, Nichols, *a* Todd, *a*
 Dougherty, R., *a* Packer, *a* Tooker, *a*
 Eastman, *u* Peabody, *a* Winston, *a*
 Eberhart, *a* Pike, *a* Williams, (52)
 Esagen, *a* Peet, C. E., *g* Wolff, *a*
 Friedman, *a*

IV. HISTORY.

C. 5-8.

(Students, 177; courses registered, 237).

Seminar: Special Topics connected with American History. DM. (36)

HEAD PROFESSOR VON HOLST.
 Alden, *g* Hastings, *g* Scofield, *g*
 Behan, *u* Hinkley, *g* Start, *g*
 Blakely, *g* Jude, *g* Thurston, *g*
 Catterall, *g* MacDougal, Van der Ploeg, *g*
 Clark, H. B., *g* Miller, R. N., *g* Wallin, *g*
 Crandall, R. K., *g* Mosley, *g* Webster, W. C., *g*
 Davis, W. S., *g* Northrup, *u* Wilcox, *g*
 Dorman, *g* Page, *g* White, *g*
 French, *g* Rullkoetter, *g* Wyant, *u* (23)
 Fry.

The French Revolution and the Napoleonic Era. The Consulate and the Empire. DM. (21)

HEAD PROFESSOR VON HOLST.
 Alden, *g* Hastings, *g* Matz,
 Church, *u* Hinkley, *g* McCasky, *g*
 Crandall, R. K., *g* Jude, *g* Page, *g*
 Davis, W. S., *g* Kohlfaat, *u* Van der Ploeg, *g*
 Dorman, *g* Learned, *g* Webster, W. C., *g*
 Fertig, *g* MacDougal, Wilson, W. O., (19)
 Fry.

Seminar: Later English Institutions. DM. (32)

PROFESSOR TERRY.

Blakely, g	Hinckley, g	Scofield, g	(11)
Catterall, g	Hunter, g	Thompson, g	
Crandall, g	McCasky, g	Wilcox, g	
Farr, g	Ogden, g		

The First Attempt to Reorganize Barbaric Society in Europe under Roman Forms (continued). DM.

(11)

PROFESSOR TERRY.

Behan, u	McCafferty, u	Rowan,	(20)
Carroll, u	MacDougal,	Bullkoetter, g	
Dunn, g	MacLean, g	Spencer, g	
Farr, g	Moran, A. E.,	Strawn, a	
Fertig, g	Moran, T., u	Van der Ploeg, g	
Gilpatrick, a	Radford, u	Williams, u	
Knox, g	Rogers, a		

The History of Egypt. M. 1st Term. (3a)

ASSOCIATE PROFESSOR GOODSPEED.

Blackmar, u	McKinney, d	Schafer,	(14)
Cook, d	MacLean, g	Stevens, d	
French, g	Osgood, u	Whitson, a	
Knox, g	Patrick, d	Wishart, d	
Lockwood (Mrs.), d	Randall, d		

The History of Babylonia and Assyria. M. 2d Term. (3b)

ASSOCIATE PROFESSOR GOODSPEED.

Beyn,	Knox, g	Schafer,	(17)
Cook, d	MacLean, g	Thompson, d	
Frantz, d	Osgood, u	Whitson, u	
French, g	Patrick, d	Wishart, d	
Griffith, d	Pooley,	Wood, d	
Halbert, d	Randall, d		

The History of Greece to the Death of Alexander. DM. (4)

ASSOCIATE PROFESSOR GOODSPEED.

Clark,	Owen, g	Wollpert,	(8)
Fertig, g	Rogers, a	Wyant, u	
MacLean, g	Williams,		

Studies in the Origin of the Italian Renaissance. DM. (13)

DR. SCHWILL.

McCasky, g	Spencer, g	Thompson, g	(4)
Scofield, g			

Outline History of Modern Europe. DM. (48)

DR. SCHWILL.

Adams,	Graves, P., a	Moffatt, a	(26)
Bennett, a	Haft, a	Pierce, L., u	
Chamberlin, a	Hale, a	Sass, a	
Cook, a	Hughes, a	Scudder,	
Dibell, a	Hulbert, a	Shallies,	
Dornisfe, a	Jackson, a	Sherman, a	
Dougherty, M., u	Klock, a	Sherwin, a	
Ellis, a	McCorkle, a	Smith, K., a	
Gardner, a	Messing, a		

Outline History of the Middle Ages. DM. (47a)

ASSISTANT PROFESSOR THATCHER.

Adams,	Fish, a	Oglevee, a	(36)
Alling,	Flint, N. W., a	Parker,	
Ballou, a	Goodman, a	Perkins, a	
Barrett, C., a	Graves, L., a	Peterson, a	
Batt, a	Gwin, a	Radford, M. E., a	
Beach, a	Hay, a	Rothschild, a	
Bishop, a	Hulshart, a	Russell, a	
Bond, a	Hutchings, a	Sherman, F., a	
Brandt, a	Hyman, a	Tefft, a	
Campbell, a	Johann, a	Thomas, a	
Cornish, a	Jordan, a	Wallace, a	
Coogrove, a	Lamay, a	Walls, a	

Outline History of the Middle Ages. DM. (47b)

MR. CONGER.

Alschuler, a	Greenbaum, a	Mannhardt, a	(34)
Anderson, a	Hale, a	McGee, a	
Breeden, a	Hannan,	Plant, a	
Browne, a	Hartley, a	Rand, a	
Brown, J., a	Keeler, a	Robinson, a	
Calhoun, a	Kingale, g	Scudder,	
Campbell, a	Lagergren, a	Shreve, a	
Chamberlin, a	Law, a	Smith, a	
Crouse, a	Livingstone, a	Steigmeyer, a	
Eberhart, a	Loeb, a	Tolman, a	
Freeman, a	Mandel, a	Wolff, a	
Grant, a			

Outline History of the United States. DM. (46)

DR. SHEPARDSON.

Blackmar, u	Hay, u	Raycroft, a	(20)
Brown, a	Hubbard, a	Soovel, u	
Chapin,	Hulshart, a	Smith, a	
Davis, g	Lipsky, a	Williams,	
Eastman, u	Lozier, u	Wilmarth,	
Gale, a	McCafferty, u	Wilson,	
Gleason, a	McCalla,		

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

C. 2, 10-12, and W.

(Students, 77; courses registered, 124).

Seminar: The Psychology, Ethics, and Sociology of Socialism. 3DM. (23)

HEAD PROFESSOR SMALL.

Clark, H. B., g	Learned, g	West, g	(8)
Davies, L., g	Sanders, g	Willard, L., g	
Gow, g	Vincent, g		

The Organic Functions of the State and of Government. DM. (26)

HEAD PROFESSOR SMALL.

Atkinson, g	Johnston, g	Sanders, g	(22)
Boyd, g	Kirkpatrick, g	Shatto, d	
Brownson, d	Mead, d	Steelman, d	
Cuddeback, g	Moore, u	Vincent, g	
Dye, g	Paden, g	Ward, d	
Fulcomer, g	Porter, u	Willard, L., g	
Hastings, g	Read, d	Wishart, d	
Howerth, g			

Problems of Social Statics. DM. (27)**HEAD PROFESSOR SMALL.**

Atkinson, <i>g</i>	Hastings, <i>g</i>	Sanders, <i>g</i>
Clark, H. B., <i>g</i>	Howerth, <i>g</i>	Spencer, <i>g</i>
Davies, L., <i>g</i>	Johnston, <i>g</i>	Steelman, <i>g</i>
Fulcomer, <i>g</i>	Kirkpatrick, <i>g</i>	Vincent, <i>g</i>
Gow, <i>g</i>	Mead, <i>g</i>	

(14)

Seminar. DM. (14)**ASSISTANT PROFESSOR HENDERSON.**

Atkinson, <i>g</i>	Howerth, <i>g</i>	Waldo, <i>d</i>
Boyd, <i>g</i>	Putnam, <i>g</i>	West, <i>g</i>
Hicks, <i>d</i>		

(7)

The Family. M. 1st Term. (18)**ASSISTANT PROFESSOR HENDERSON.**

Barrett, M. F., <i>g</i>	Hazelton, <i>d</i>	Proctor, <i>d</i>
Chalmers, <i>d</i>	Heil, <i>u</i>	Randall, <i>d</i>
Chapin, <i>d</i>	Horne, <i>d</i>	Stevens, <i>d</i>
Church, <i>u</i>	Howerth, <i>g</i>	Swartz, de, <i>a</i>
Cuddeback, <i>u</i>	Kohlsaat, <i>u</i>	Taylor, <i>d</i>
Davies, L., <i>g</i>	Morgan, <i>u</i>	Waldo, <i>d</i>
Goldberg, <i>a</i>	Osgood, <i>u</i>	Wilkin, <i>g</i>
Goodman, <i>d</i>	Patrick, <i>d</i>	Wishart, <i>d</i>
Guard, <i>d</i>	Pike, <i>g</i>	Wright, <i>d</i>

(27)

Non-Political and Non-Economical Associations.**M. 2d Term. (19)****ASSISTANT PROFESSOR HENDERSON.**

Barrett, M. F., <i>g</i>	Halbert, <i>d</i>	Proctor, <i>d</i>
Beyl, <i>d</i>	Hazelton, <i>d</i>	Randall, <i>d</i>
Chapin, <i>d</i>	Horne, <i>d</i>	Wilkins, <i>g</i>
Davies, L., <i>g</i>	Patrick, <i>d</i>	Wishart, <i>g</i>
Eaton, <i>d</i>	Peta, <i>g</i>	

(14)

Seminar in Sanitary Science. DM. (10)**ASSISTANT PROFESSOR TALBOT.**

Cary, <i>g</i>		
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(1)

Practical Hygiene. DM. (12a)**ASSISTANT PROFESSOR TALBOT.**

Bell, <i>a</i>	Kane, <i>a</i>	Messick, <i>a</i>
Butler, <i>a</i>	Kellogg, <i>a</i>	Morgan, <i>a</i>
Chapin, <i>d</i>	Kennedy, <i>a</i>	Niblock, <i>a</i>
Crandall, <i>a</i>	Maynard, <i>a</i>	Parcell, <i>a</i>
De Graff, <i>a</i>	McClintock, <i>a</i>	Robertson, <i>a</i>
Dougherty, <i>u</i>	McWilliams, A., <i>a</i>	Williams, C. B., <i>a</i>
Hopkins, <i>a</i>	McWilliams, M.E., <i>a</i>	Wilmarth, <i>a</i>
Hurlbut, <i>a</i>		

(22)

Laboratory Work in Anthropology. DM. (1)**ASSISTANT PROFESSOR STARR.**

Dunn, <i>g</i>		
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(1)

Physical Anthropology. Laboratory Work. DM. (2)**ASSISTANT PROFESSOR STARR.**

(Course not taken).

Prehistoric Archaeology of North America. DM. (8)**ASSISTANT PROFESSOR STARR.**

Bale, <i>d</i>	Miller, M. L., <i>g</i>	Woods, <i>u</i>
Dunn, <i>g</i>	Willard, D. E., <i>g</i>	

(5)

Labor Legislation, and Some Other Phases of State Activity on Behalf of Wage Workers. DM. (21)**ASSOCIATE PROFESSOR BEMIS.**

Atkinson, <i>g</i>	Northrup, <i>u</i>	Wilkinson, <i>g</i>
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(3)

Applied Anthropology. DMM. (3)**DR. WEST.**

(Course not taken).

VI. COMPARATIVE RELIGION.**D. 15.**

(Students, 8; courses registered, 8).

The Religions of Greece, Rome, and Northern Europe. DM. (3)**ASSOCIATE PROFESSOR GOODSPEED.**

Brewster (Mrs.),	Pooley,	Thompson, T. M., <i>d</i>
Horne, <i>d</i>	Sanderson, <i>d</i>	Wood, A. W., <i>g</i>
Howard, <i>d</i>	Taylor, <i>d</i>	

(8)

VII. SEMITIC LANGUAGES AND LITERATURES.**D. 12-16.**

(Students, 92; courses registered, 188).

The Three Legal Codes. M. 1st Term. (13)**HEAD PROFESSOR HARPER.**

Archibald, <i>g</i>	Gray,	Soares, <i>g</i>
Allison, <i>d</i>	Jones, L., <i>g</i>	Whaley, <i>g</i>
Berry, <i>g</i>	Hunter, J., <i>u</i>	Walker, D. A., <i>g</i>
Dickey, <i>g</i>	Mallory, <i>g</i>	Watson, <i>d</i>
Goodspeed, E. J., <i>g</i>		

(13)

Seminar in Comparative Semitic Grammar. DM

(94)

HEAD PROFESSOR HARPER.

Archibald, <i>g</i>	Jones, L., <i>g</i>	Whaley, <i>g</i>
Berry, <i>g</i>	Mallory, <i>g</i>	Walker, D. A., <i>g</i>
Dickey, <i>g</i>	Soares, <i>g</i>	

(8)

Hebrew Syntax. M. 2d Term. (—)**HEAD PROFESSOR HARPER.**

Bale, <i>d</i>	Eaton, <i>d</i>	Lockhart,
Beyl, <i>d</i>	Ewing, <i>d</i>	Morgan,
Bruce, <i>d</i>	Georges, <i>d</i>	Owen, E. J., <i>g</i>
Coon, D. B., <i>d</i>	Hazelton, <i>a</i>	Randall, J. H., <i>d</i>
Chalmers, <i>d</i>	Herrick,	Rocen, <i>d</i>
Chapin, <i>d</i>	Jones, H. F., <i>d</i>	Varney, <i>d</i>
Davies, F. G., <i>d</i>		

(19)

Old Testament Legal Literature. M. 2d Term. (27)**HEAD PROFESSOR HARPER.**

Archibald, <i>g</i>	Gray,	Soares, <i>g</i>
Allison, <i>d</i>	Jones, L., <i>g</i>	Whaley, <i>g</i>
Berry, <i>g</i>	Hunter, J., <i>u</i>	Walker, D. A., <i>g</i>
Dickey, <i>g</i>	Mallory, <i>g</i>	Watson, <i>d</i>
Goodspeed, E. J., <i>g</i>		

(13)

Arabic: Thousand and One Nights. DM. (66)**PROFESSOR HIRSCH**

Archibald, <i>g</i>	Jones, L., <i>g</i>	Walker, <i>g</i>
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(3)

Advanced Syriac. DM. (50)

Goodspeed, <i>g</i>	Leiser, <i>a</i>	PROFESSOR HIRSCH.	
		Walker, <i>g</i>	(3)

Coptic. M. 2d Term. (44)

Howard, H., <i>d</i>	PROFESSOR HIRSCH.	
		(1)

The Books of Samuel. M. 1st Term. (—)

ASSOCIATE PROFESSOR PRICE.		
Bale, <i>d</i>	Chapin, <i>d</i>	Lockhart, <i>d</i>
Beyl, <i>d</i>	Davies, F. G., <i>d</i>	Morgan, <i>d</i>
Bruce, <i>d</i>	Hageman, <i>d</i>	Owen, E. J., <i>g</i>
Coon, <i>d</i>	Hazelton, <i>d</i>	Randall, <i>d</i>
Chalmers, <i>d</i>	Herrick, <i>d</i>	Varney, <i>d</i>
		(15)

Modern Discoveries and the Old Testament. M. 1st Term. (56)

ASSOCIATE PROFESSOR PRICE.		
Allen, C. W., <i>d</i>	Fiak, <i>d</i>	Milne, <i>d</i>
Allen, H. H., <i>d</i>	Fradenburg, <i>d</i>	Morgan (Mrs.), <i>d</i>
Berry, <i>d</i>	Giblett, <i>d</i>	Sanderson, <i>d</i>
Blake, <i>d</i>	Gill, <i>d</i>	Schlamann, <i>d</i>
Boynton, <i>d</i>	Grablachoff, <i>d</i>	Smith, C. H., <i>d</i>
Brewster (Mrs.),	Hatch, <i>d</i>	Smith, T. L., <i>d</i>
Brownson, E. J., <i>d</i>	Hoyt, <i>d</i>	Speicher, <i>d</i>
Carroll, <i>d</i>	Lockhart, <i>d</i>	Sturges, Mrs.,
Davis, J. T., <i>d</i>	Lockwood, <i>d</i>	Summers, <i>d</i>
Davis, U. S., <i>d</i>	Lockwood (Mrs.) <i>d</i>	Thompson, <i>d</i>
Dent, <i>d</i>	Mason, <i>d</i>	West, <i>d</i>
		(33)

Mesopotamian Geography. M. 1st Term. (61)

ASSOCIATE PROFESSOR HARPER.
(Course not taken).

Assyrian and Babylonian Life. M. 2d Term. (59)

ASSOCIATE PROFESSOR HARPER.
(Course not taken).

Assyrian Letters. M. 1st Term. (75)

ASSOCIATE PROFESSOR HARPER.	
Berry, <i>g</i>	Goodspeed, <i>g</i>
	(2)

Babylonian Contracts. M. 2d Term. (76)

ASSOCIATE PROFESSOR HARPER.	
Berry, <i>g</i>	Goodspeed, <i>g</i>
	(2)

Early Historical Inscriptions. DM. (72)

ASSOCIATE PROFESSOR HARPER.	
Mallory, <i>g</i>	Willett, <i>g</i>
	(2)

Sight Translation in Hebrew. M. 2d Term. (9)

DR. CRANDALL.	
Bale, <i>d</i>	Eaton, <i>d</i>
Beyl, <i>d</i>	Ewing, <i>d</i>
Bruce, <i>d</i>	Georges, <i>d</i>
Coon, D. B., <i>d</i>	Hazelton, <i>d</i>
Chalmers, <i>d</i>	Herrick, <i>d</i>
Chapin, <i>d</i>	Jones, H. F., <i>d</i>
Davies, F. G., <i>d</i>	
	Lockhart, <i>d</i>
	Morgan, <i>d</i>
	Owen, E. J., <i>g</i>
	Randall, J. H., <i>d</i>
	Rocen, <i>d</i>
	Varney, <i>d</i>
	(19)

The Books of Samuel. M. 1st Term. (6)

DR. CRANDALL.	
Atchley, <i>d</i>	Ewing, <i>d</i>
Borden, <i>d</i>	Fletcher, <i>d</i>
Braker, <i>d</i>	Frantz, <i>d</i>
Coon, D. B., <i>d</i>	Georges, <i>d</i>
Criswell, <i>d</i>	Goodman, <i>d</i>
Eaton, <i>d</i>	Guard, <i>d</i>
Eddy, <i>d</i>	
	Jones, H. F., <i>d</i>
	Lake, <i>d</i>
	Lemon, <i>d</i>
	Rhodes, <i>d</i>
	Rocen, <i>d</i>
	Sanders, <i>d</i>
	(19)

Outline of Hebrew History. DM. (—)

DR. KENT.	
Alling, <i>d</i>	Chamberlin, <i>d</i>
Beyl, <i>d</i>	Eubank, <i>d</i>
Brewster, <i>d</i>	Griffith, <i>d</i>
	Howard, <i>u</i>
	Roosa, <i>u</i>
	Sturges, <i>d</i>
	(9)

Messianic Prophecy. M. 2d Term. (—)

DR. KENT.	
Allison, <i>d</i>	Eaton, <i>d</i>
Arnold, <i>a</i>	Eubank, <i>d</i>
Bale, <i>d</i>	Ferguson, <i>g</i>
Beyl, <i>d</i>	Frantz, <i>d</i>
Borden, <i>d</i>	Griffith, <i>d</i>
Bronson, <i>d</i>	Guard, <i>d</i>
Chalmers, <i>d</i>	Hazelton, <i>d</i>
Coon, <i>d</i>	Hendrick, <i>g</i>
Coon, D. I., <i>d</i>	Herrick, <i>d</i>
	Jones, H. F., <i>d</i>
	Lockhart, <i>d</i>
	Morgan, <i>d</i>
	Osgood, <i>u</i>
	Proctor, <i>d</i>
	Sturges, <i>d</i>
	Varney, <i>d</i>
	Walker, D. A., <i>g</i>
	West, <i>d</i>
	(27)

VIII. BIBLICAL AND PATRISTIC GREEK.

D. 10-16.

(Students, 10; courses registered, 10).

The Origin and History of the Septuagint and other Greek Versions of the Old Testament. DM. (43)

DR. ARNOLD.	
Milligan, <i>g</i>	Woodruff, <i>d</i>
	(2)

Rapid Reading and Interpretation of certain Pauline Epistles. DM. (4)

MR. VOTAW.	
Beyl, <i>d</i>	Milne, <i>d</i>
Ewine, <i>d</i>	Nordlander, <i>d</i>
Larson, N., <i>d</i>	Patriek, <i>d</i>
	Shaw, <i>g</i>
	Varney, <i>d</i>
	(8)

IX. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B. 2-8.

(Students, 7; courses registered, 13).

Sanskrit. DM. (2)

ASSISTANT PROFESSOR BUCK.	
Fowler, <i>g</i>	Jones, J. L., <i>g</i>
Jones, F. N., <i>g</i>	Linscott, <i>g</i>
	Winston, <i>g</i>
	Zarbell, <i>g</i>
	(6)

Avestan. DM. (6)

ASSISTANT PROFESSOR BUCK.	
Fowler, <i>g</i>	Linscott, <i>g</i>
Jones, F. N., <i>g</i>	Owen, W. B., <i>g</i>
Jones, J. L., <i>g</i>	
	Winston, <i>g</i>
	Zarbell, <i>g</i>
	(7)

X. THE GREEK LANGUAGE AND LITERATURE.

B. 2-8.

(Students, 84; courses registered, 77).

Introduction to Study of the Greek Drama. DM. (17)

PROFESSOR SHOREY.

Blaine, <i>g</i>	Gilbert, <i>g</i>	Moffatt, <i>a</i>
Clark, <i>g</i>	Kerr, <i>a</i>	Paschal, <i>g</i>
Cook, <i>g</i>	Jackson, <i>g</i>	Van Vliet, <i>a</i>
Daniels, <i>u</i>	Johnson, <i>g</i>	Walker, A. T., <i>g</i>
Davies, <i>g</i>	Leiser, <i>a</i>	Willis, <i>g</i>
Dingee, <i>a</i>	Lewis, M., <i>a</i>	Williston, <i>a</i>
Dodge, <i>g</i>	Lewis, S., <i>a</i>	

(20)

Seminar: The History of Ancient Philosophy. DM. (20)

PROFESSOR SHOREY.

Chase, <i>g</i>	Kruse, <i>u</i>	Sisson, <i>g</i>
Dodge, <i>g</i>	Milligan, <i>g</i>	Smith, <i>g</i>
Ely, <i>g</i>	Millard, <i>g</i>	Walker, A. T., <i>g</i>
France, <i>g</i>	Owen, W. B., <i>g</i>	Winston, <i>g</i>
Harley, <i>g</i>	Paschal, <i>g</i>	

(14)

Literary Criticism and Rhetoric of the Ancients. M. 1st Term. (22)

PROFESSOR SHOREY.

Carpenter, <i>g</i>	Lewis, <i>g</i>	Reynolds, <i>g</i>
Gilbert, <i>g</i>	Ogden, <i>g</i>	

(5)

Thucydides. DM. (15)

ASSOCIATE PROFESSOR TARBELL.

Beatty, <i>u</i>	Clark (Mrs.),	Owen, E. J., <i>g</i>
Blaine, <i>g</i>	Messing, <i>a</i>	Paschal, <i>g</i>

(6)

Classical Archaeology. DM. (19)

ASSOCIATE PROFESSOR TARBELL.

Chase, <i>g</i>	Ely, <i>g</i>	Jackson, <i>g</i>
Daniels, <i>g</i>	Emery, <i>g</i>	Millard, <i>g</i>

(6)

Lysias. DM. (3)

ASSISTANT PROFESSOR CASTLE.

Baird, <i>a</i>	Goodman, <i>a</i>	Porterfield, <i>a</i>
Brown, L., <i>a</i>	Marsh, <i>a</i>	Sincere, <i>a</i>
Chamberlin, J. C., <i>a</i>	Porter, <i>u</i>	Tooker, <i>a</i>
Edwards, <i>g</i>		

(10)

Homer. DM. (5)

ASSISTANT PROFESSOR CASTLE.

Adkinson, <i>a</i>	Evans, <i>a</i>	Packer, <i>a</i>
Baird, <i>a</i>	Hoebeke, <i>u</i>	Stevens, <i>a</i>
Brown, L., <i>a</i>	Jackson, <i>a</i>	Stone, <i>a</i>
Dibell, <i>a</i>	Luttrell, <i>a</i>	Thompson, E., <i>a</i>
Drew, <i>a</i>	Minnick, <i>a</i>	Todd, <i>a</i>
Edwards, <i>g</i>		

(16)

XI. THE LATIN LANGUAGE AND LITERATURE.

B. 2-8.

(Students, 83; courses registered, 91).

Seminar 3: Comparative Syntax of the Greek and Latin Verb. DM. (43)

HEAD PROFESSOR HALE.

Ely, <i>g</i>	Gilbert, <i>g</i>	Smith, E. J., <i>g</i>
Emery, <i>g</i>	Harley, <i>g</i>	Walker, A. T., <i>g</i>
Faulkner, <i>g</i>	Jackson, <i>g</i>	Zarbell, <i>g</i>
France, <i>g</i>	Millard, <i>g</i>	

(11)

Latin Hymns; Latin Prose of the Christian Church. DM. (26)

PROFESSOR CHANDLER.

Blaine, <i>g</i>	Markham, <i>g</i>	Shaw, <i>g</i>
Davies, M. B., <i>g</i>	Moffatt, <i>a</i>	Ward, <i>g</i>
Graves, P. S., <i>a</i>	Porterfield, <i>a</i>	Wasson, <i>g</i>
Hill, <i>g</i>	Potter, <i>g</i>	

(11)

The Development of the Roman Oratory. DM. (28)

PROFESSOR CHANDLER.

Heil, <i>u</i>	Hill, <i>g</i>	Messing, <i>a</i>
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(3)

Roman Administration. DM. (33)

ASSOCIATE PROFESSOR ABBOTT.

Chase, C. K., <i>g</i>	Harley, <i>g</i>	Ward, <i>g</i>
Dingee, <i>u</i>	Hill, <i>g</i>	Wasson, <i>g</i>
Ely, E., <i>g</i>	Shaw, <i>g</i>	

(8)

Seminar: Colloquial Latin. DM. (41)

ASSOCIATE PROFESSOR ABBOTT.

Dingee, <i>u</i>	Markham, <i>g</i>	Zarbell, <i>g</i>
Jones, F., <i>g</i>		

(4)

Cicero (de Senectute); Livy (Books XXI and XXII); Terence (Phormio); Tacitus (Germania and Agricola). DMM. (3d)

DR. MILLER.

Apps, <i>a</i>	Gallion, <i>g</i>	Nelson, <i>a</i>
Batt, <i>a</i>	Graves, E. B., <i>a</i>	Plant, <i>a</i>
Coolidge, <i>a</i>	Hartley, <i>a</i>	Runyon, <i>g</i>
Dignan, <i>a</i>	Hewitt, H. O., <i>a</i>	Schwarz, <i>a</i>
Dirks, <i>a</i>	Hubbard, <i>g</i>	Tanaka, <i>a</i>
Durand, <i>a</i>	Jenkinson, <i>a</i>	Thompson, <i>a</i>
Edwards, <i>g</i>	Jones, <i>a</i>	Trumbull, <i>a</i>
Ely, <i>a</i>	Kells, <i>a</i>	Wasson, <i>g</i>
Fish, <i>a</i>	Loesch, <i>a</i>	Williams, C. B., <i>a</i>
Flanders, <i>a</i>	McWilliams, A., <i>a</i>	Williams, J. W., <i>a</i>
Ford, <i>a</i>	Morgan, <i>a</i>	Winston, <i>a</i>

(33)

Horace (Odes). DM. (8d)

MR. EMERY.

Alschuler, <i>a</i>	Evans, <i>a</i>	Mannhardt, <i>a</i>
Barnard, <i>a</i>	Freeman, <i>a</i>	Schnelle, <i>a</i>
Brown, J. S., <i>a</i>	Hale, B., <i>a</i>	Scudder, <i>a</i>
Caraway, <i>a</i>	Johnson, <i>a</i>	Sincere, <i>a</i>
Crouse, <i>a</i>	Lingle, <i>a</i>	Stowell, <i>a</i>
Dudley, <i>a</i>	McKinley, <i>g</i>	Tolman, <i>a</i>

(18)

Selections from Ovid, Horace, Catullus, and Cicero's Letters. DM. (2a)

MR. EMERY.

Campbell, J. T., <i>a</i>	Goldberg, <i>a</i>	Weingarten, <i>a</i>
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(3)

XII. ROMANCE LITERATURE AND PHILOLOGY.

B. 12-16.

(Students, 105; courses registered, 128).

Old French. DM. (3)

HEAD PROFESSOR KNAPP.

Austin, <i>g</i>	Hunter, <i>g</i>	de Poyen, <i>g</i>
Cutler, <i>g</i>	Leeds, <i>g</i>	Witkowski, <i>g</i>
Fairchild, <i>g</i>	Neff, <i>g</i>	

(8)

Old Spanish. DM. (7)

HEAD PROFESSOR KNAPP.

Austin, <i>g</i>	Hunter, <i>g</i>	de Poyen, <i>g</i>
Cutler, <i>g</i>	Leeds, <i>g</i>	Witkowski, <i>g</i>
Fairchild, <i>g</i>	Neff, <i>g</i>	Wallace, <i>g</i>

(9)

Rapid Reading and Conversation. (16)

ASSISTANT PROFESSOR BERGERON.

Anderson,	Keith, <i>u</i>	Steigmeyer, <i>a</i>
Barrett, S. S., <i>a</i>	Liebenstein, <i>a</i>	Sherman, F., <i>a</i>
Bell, <i>a</i>	Lozier, <i>u</i>	Sherwin, <i>a</i>
Berry,	McClintock, A., <i>a</i>	Thomas, M., <i>a</i>
Boomer, <i>u</i>	Mesaick, <i>a</i>	Vaughan, W. C., <i>a</i>
Eberhart, <i>a</i>	Paddock, <i>a</i>	Vaughan, L. B., <i>a</i>
Geiger, <i>u</i>	Purcell, <i>a</i>	Wallace, <i>a</i>
Kane, <i>a</i>	Radford, <i>a</i>	Woods,

(24)

Advanced Syntax. DM. (—)

ASSISTANT PROFESSOR BERGERON.

Barrett, L. E., <i>a</i>	Diver, <i>a</i>	Maynard, <i>a</i>
Bowers,	George,	Rothschild, <i>a</i>
Brandt, <i>a</i>	Grant, F., <i>a</i>	Reese, <i>g</i>
Cuddeback, <i>u</i>	Korsmeyer, <i>g</i>	

(11)

Nineteenth Century Literature. DM. (13)

ASSISTANT PROFESSOR BERGERON.

Korsmeyer, <i>g</i>	Reese, <i>g</i>	
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(2)

Elements of French Literature. DM. (34)

ASSISTANT PROFESSOR BERGERON.

Beatty, <i>u</i>	Gardner, <i>a</i>	Jenkinson, <i>a</i>
Castle, <i>u</i>	Hay, <i>u</i>	Walling, <i>a</i>
Friedman, J., <i>a</i>		

(7)

Historical French Grammar. DM. (—)

MR. R. DE POYEN.

Austin,	Neff, <i>g</i>	Witkowski, <i>g</i>
Fairfield, <i>g</i>		

(4)

Spanish. DM. (11)

MISS WALLACE.

Breeden, <i>a</i>	Leeds,	Moran, <i>u</i>
Carroll, <i>a</i>	McCorkle, <i>a</i>	Murphy, <i>a</i>
Childs,	Minard, <i>a</i>	Webster, <i>a</i>
Holloway, <i>a</i>		

(10)

Rapid Reading in Modern Spanish. DM. (—)

MISS WALLACE.

Austin, <i>g</i>	Hunter, <i>g</i>	Witkowski, <i>g</i>
Fairfield, <i>g</i>	Neff, <i>g</i>	

(5)

French Grammar: Knapp's French Readings.

DMM. (29)

DR. KINNE.

Atwood, <i>a</i>	Hsieh, <i>a</i>	Peterson, <i>d</i>
Barker, <i>a</i>	Hubbard, <i>u</i>	Pienkowsky, <i>a</i>
Casteel,	Lewis, <i>a</i>	Smith, F., <i>a</i>
de Swarte, <i>a</i>	Livingstone, <i>u</i>	Stapp,
Dingee, <i>a</i>	Macomber, <i>a</i>	Stuckrath,
Dougherty, Q. F., <i>a</i>	Mandell, <i>a</i>	Taylor, <i>u</i>
Drew, <i>a</i>	Myhrmann, <i>d</i>	Tefft, <i>a</i>
Foster, <i>a</i>	Niblock,	Tompkins, <i>g</i>
Gray,	Nicholas, <i>a</i>	Walsh,
Guthrie, <i>a</i>	Odell, <i>a</i>	Witt,
Hannan,	Osgood, <i>a</i>	

(32)

A Course in Rapid Reading. DM. (30)

DR. KINNE.

Campbell, J. W., <i>a</i>	Johnson, L., <i>a</i>	Shreve, <i>a</i>
Chadbourn,	Klock, <i>a</i>	Walls, <i>a</i>
Hamilton, <i>a</i>	Law, <i>a</i>	Willis, <i>a</i>
Hobart, <i>a</i>	Pike, <i>a</i>	Whitson, <i>a</i>
Hubbard, <i>a</i>	Sampeall, <i>a</i>	

(14)

XIII. GERMANIC LANGUAGES AND LITERATURES.

B. 9-11.

(Students, 129; courses registered, 139).

Seminar.

DR. SCHMIDT-WARTENBERG and DR. VON KLENZE.

Jones, J. L., <i>g</i>	Mulfinger, <i>g</i>	Wollpert,
Kern, <i>g</i>	Rullkoetter, <i>g</i>	Wood, F. A., <i>g</i>
Korsmeyer, <i>g</i>		

(7)

Old High German (Advanced). M. 1st Term. (9)

DR. SCHMIDT-WARTENBERG.

Jones, J. L., <i>g</i>	Mulfinger, <i>g</i>	Robertson, L., <i>g</i>
Kern, <i>g</i>	Ogden, <i>g</i>	Wood, F. A., <i>g</i>

(6)

Introduction to Phonetics. M. 2d Term. (6)

DR. SCHMIDT-WARTENBERG.

Jones, J. L., <i>g</i>	Mulfinger, <i>g</i>	Robertson, L., <i>g</i>
Kern, <i>g</i>	Ogden, <i>g</i>	Wood, F. A., <i>g</i>
Linscott, <i>g</i>		

(7)

Modern Prose. DM. (19b)

DR. SCHMIDT-WARTENBERG.

Barnard, <i>a</i>	Hay, <i>a</i>	Parker, M.,
Barnes, <i>u</i>	Hubbard, <i>a</i>	Payne,
Barrett, C. R., <i>a</i>	Hulbert, <i>a</i>	Pierce, L. F., <i>u</i>
Battis,	Hurlbut, <i>a</i>	Robinson, L., <i>u</i>
Bennett, L. B., <i>a</i>	Jordan, <i>a</i>	Runyan,
Broek, <i>a</i>	Lagergren, <i>a</i>	Scovel, <i>u</i>
Chollar, <i>a</i>	Leech, <i>g</i>	Shallies,
Coagrove, <i>a</i>	Lewis, M. C., <i>a</i>	Smith, H. J., <i>a</i>
Dawes,	Lewis, S. W., <i>a</i>	Tunell, <i>g</i>
Dickerson,	Luttrell, <i>a</i>	Van Vliet, <i>a</i>
Dornsife, <i>a</i>	Miller, M. L., <i>g</i>	Wiley, <i>a</i>
Flint, N. W., <i>a</i>	Mosser, <i>a</i>	Williams, D., <i>a</i>

(36)

Boisen's Preparatory Book of German Prose. M.

1st Term. (24)

DR. SCHMIDT-WARTENBERG.

Agarter, <i>a</i>	Cook, <i>a</i>	Kelso,
Arnold, <i>a</i>	Cortner,	Kingsley,
Barker, <i>a</i>	Ellis, <i>a</i>	Lingle, <i>a</i>
Beardsley,	Goss,	Stover,
Chace, <i>a</i>	Hunter, <i>u</i>	Swett,
Chamberlin, E., <i>a</i>	Kellogg, <i>a</i>	Wilkinson, A., <i>u</i>

(18)

German Prose Composition. M. 2d Term. (22)

DR. SCHMIDT-WARTENBERG.

Agarter, <i>a</i>	Cortner,	Kingsley,
Arnold, <i>a</i>	Ellis, <i>a</i>	Lingle, <i>a</i>
Barker, <i>a</i>	Goss,	Stover,
Beardsley,	Hunter, <i>u</i>	Swett,
Chamberlin, E., <i>a</i>	Kellogg, <i>a</i>	Wilkinson, A., <i>u</i>
Cook, <i>a</i>	Kelso,	

(17)

Goethe's Life. DM. (2)

Friedman, J., *a* Korsmeyer, *g*
Geiger, Mulfinger, *g*

DR. VON KLENZE.

Smith, M. C., *g*
Wolpert, (6)

German Ballads. DM. (13)

Carpenter, *g* Haft, *a*
Cornish, *a* Hyman, *a*
Gatzert, *a* McCafferty, *u*
Goodhue, *a* Packer, *a*

DR. VON KLENZE.

Reese, *g*
Taylor, *u*
Walker, *u*
Willard, E., *g* (12)

Heine's Prose and Poetry. DM. (14)

Anderson, Davis, P., *g*
Bacon, *u* Geiger,
Bishop, *a* Graves, L. B., *a*
Castle, *a* Jones, N., *a*
Crandall, *a* Stebbins, *a*

DR. VON KLENZE.

Stuckrath,
Thomas, I. M., *a*
Willard, E., *g*
Woodward, *a* (14)

Early Nineteenth Century Prose. DM. (15)**MR. WOOD.**

Berry, Gleason, *a* Smith, K. G., *a*
Boomer, *u* Liebenstein, *a* Speer, *a*
Clark, F. B., *a* Reese, *g* Tanaka, *a*
Gale, *a* Rogers, *a* Wales, *a*
Gatzert, *a* Sincere, *a* Woods, F. W., *u* (16)
Gettys, *a*

XIV. THE ENGLISH LANGUAGE AND LITERATURE; AND RHETORIC.**K.**

(Students, 288; courses registered, 397).

Tragedy in the Shakesperian Drama. DM. (13)**PROFESSOR MOULTON.**

Anderson, Hilliard, *g* Pike, *a*
Barrett, M. F., *g* Keith, Pomerine, *g*
Battis, Kohlstaet, *u* Radford, *u*
Blackmar, *u* Lambert, *u* Ramsey, *u*
Bray, *g* Leech, *g* Roodhouse, *g*
Carroll, *a* Mats, Roosa, *u*
Chadbourn, *u* McMahan, *u* Stanton, *g*
George, Mitchell, Vaughan, L. B., *a*
Gilpatrick, *a* Moran, A. E., Webster, *a*
Goodspeed, Murphy, *a* Woods, W., (31)
Grant,

Old English. Elementary Course. DM. (25)**ASSISTANT PROFESSOR BLACKBURN.**

Battis, Johnson, *g* Squires, *g*
Carpenter, N. J., *g* Lambert, *u* Weatherlow, *g*
Grant, G. K., *g* Mitchell, Wood, F. A., *g*
Henry, *g* Snoddy, *g* Woods, W., (12)

Old English Seminar. DM. (28)**ASSISTANT PROFESSOR BLACKBURN.**

Brainard, *g* Ogden, *g* Snoddy, *g* (5)
Crotty, *g* Otis,

Comparative Grammar of Old English. DM. (29)**ASSISTANT PROFESSOR BLACKBURN.**

Crotty, *g* Mulfinger, *g* Snoddy, *g*
Jones, J. L., *g* Ogden, *g* Wood, F. A., *g* (8)
Linscott, *g* Otis,

Poetic and Verse Forms in the Elizabethan Era.**DM. (41)****ASSISTANT PROFESSOR CROW.**

Brown, M., Gardner, *a* Pomerine, *g*
Dodge, *g* Hilliard, *g* Weatherlow, *g* (7)
Engle,

English Literature Seminar. Studies in Elizabethan Literature. DM. (36)**ASSISTANT PROFESSOR CROW.**

Bowen, *g* Crotty, *g* Kean,
Brainard, *g* Hilliard, *g* Squires, *g* (8)
Brown, M., Johnson, L. A., *g*

Seminar: Studies in the Origins of Shakespeare's Plays. DM. (31)**ASSISTANT PROFESSOR TOLMAN.**

Carpenter, N. J., *g* Lathe, *g* Squires, *g*
Grant, *g* Milliman, *g* Weatherlow, *g* (6)

English Literature. DM. (10)**(Two Sections). ASSISTANT PROFESSOR TOLMAN.**

Abbott, *a* Gatzert, *a* Mitchell, *a*
Adkinson, *a* Gettys, *a* Mosser, *a*
Barrett, C. R., *a* Goodhue, *a* Myhrmann, *d*
Beach, *a* Grant, *a* Nichols, *a*
Bond, *a* Gwin, *a* Oglevee, *a*
Brown, J., *a* Hoebeke, *u* Perkins, *a*
Campbell, J. T., *a* Hutchings, *a* Peterson, *a*
Caraway, *a* Hulshart, *a* Rand, *a*
Casteel, Johann, *a* Rothschild, *a*
Chamberlin, *a* Jordan, *a* Russell, *a*
Crandall, *a* Karpen, *a* Sampell, *a*
Crouse, *a* Kerr, *a* Shreve, *a*
De Graff, *a* Leech, *g* Smith, H. J., *a*
Dickerson, Lewis, M., *a* Speer, *a*
Dirks, *a* Lewis, S., *a* Todd, *a*
Dougherty, H., *a* Lingle, *a* Walling, *a*
Dougherty, R., *a* Livingstone, *u* Whitson, *a*
Dudley, *a* Lutrell, *a* Wolff, *a* (56)
Furness, *a* Minard, *a*

Advanced English Composition. DM. (5)**MR. HERRICK.**

Alling, Jones, *a* Saxe, *a*
Arnold, *a* Mathews, *u* Scoval, *u*
Atwood, W., *a* Maynard, *a* Smith, M. C., *g*
Barnet, Minnick, *a* Stevens, *a*
Foster, *a* Parker, Stowell, *a*
Grant, K., Pierce, L. F., *u* Wallin, *g*
Guyer, *u* Robinson, I., *u* Weatherlow, *g* (23)
Hubbard, Roodhouse, *g*

An Historical Outline of English Prose Literature from Dryden to Goldsmith. DM. (30)**MR. HERRICK.**

(Course not given).

Rhetoric and English Composition. DM. (1a)**MR. HERRICK.**

Alschuler, a	Greenbaum, a	McGee, a
Anderson, a	Johnston,	Nacey,
Brook, a	Keeler, a	Smith, F., a
Calhoun, a	Law, a	Stapp,
Davis, P. B., a	Livingstone, a	Walsh,
Ely, a	Mannhardt, a	Winston, A., a
Flanders, a	Marsh, a	(20)

Argumentative Composition. DM. (3)**MR. LOVETT.**

(Course not taken).

Shakespeare: Study of Six Representative Plays.**DM. (42)****MR. LOVETT.**

Agarter, a	McClintock, H., a	Radford, u
Castle, u	McWilliams, M., a	Wilmarth, u
Kennedy, a	Nacey,	(8)

Rhetoric and English Composition. DM. (1b)**Section A.****MR. LOVETT.**

Alling,	Graves, E. B., a	Munson,
Baker, a	Graves, L. B., a	Niblock,
Ballou, a	Hering, a	Odell, a
Batt, a	Hewitt, H. O., a	Osgood, a
Battis,	Hutchings, a	Perkins, a
Beardsley,	Hyman, a	Perahing, a
Bliss, G. A., a	Jackson, C. B., a	Peterson, a
Breeden, a	Jackson, W. H., a	Plant, a
Campbell, J. T., a	Jenkinson, a	Radford, a
Campbell, J. W., a	Kane, a	Rand, a
Chollar, a	Kella, a	Ranney,
Cornish, a	Kelso,	Rothschild, a
Cosgrove, a	Kennedy,	Runyon, a
Crandall, a	Klock, a	Schwarz, a
Davis, S. E.,	Lagergren, a	Shallies,
Dignan, a	Liebenstein, a	Simpson, B. J., a
Dirks, a	Lingle, a	Steigmeyer, a
Drew, a	Lipeky, a	Tefft, a
Durand, a	Loeb, a	Thomas, I. M., a
Eastman, u	Macomber, a	Thompson, E. C., a
Ellis, a	Mandel, a	Thompson, H. B., a
Evans, a	Mandeville, a	Tooker, a
Fish, a	McCorkle, a	Trumbull, a
Flint, J. M., a	Meadowcroft,	Witt,
Goodman, a	Miller, g	Wollpert,
Goss,	Mitchell,	Wright,
Grant, a	Mixsell,	(80)

Rhetoric and English Composition. DM. (1b)**Section B.****MR. LEWIS.**

Abbott,	Dougherty, R., a	Marsh, a
Apps, a	Ford, a	McWilliams, A. L., a
Barrett, C., a	Gatzert, a	Moesser, a
Beach, a	Guthrie, a	Myhrmann, d
Bliss, G., a	Gwin, a	Nelson, a
Bond, a	Hannan,	Oglevee, a
Brown, J., a	Hay, F. S., a	Pienkowsky, a
Casteel,	Ickes, a	Schnelle, a
Chamberlin, E., a	Johann, a	Sherman, a
Chamberlin, J. C., a	Jordan, a	Vaughan, W. C., a
Crouse, a	Lansingh, a	Williams, C. L., a
Dickerson,	Loesch, a	Wilson,
Dougherty, H. R., a	Luttrell, a	(38)

Nineteenth Century English Literature. American Authors. DM. (22)**MR. TRIGGS.**

Adkinson, a	Haft, a	Morgan, u
Anderson,	Hering, a	Niblock,
Baker, a	Hopkins, a	Packer, a
Barrett, M. C., g	Hosic, a	Porter, u
Beatty, u	Jackson, a	Puroell, a
Behan, u	Keith,	Radford, u
Berry,	Kennedy,	Robertson, a
Butler, a	Klock, a	Roodhouse, g
Carpenter, a	Kohlsaat, u	Schwarz, a
Church, u	Lake, d	Shallies,
Clark, a	Lansingh, a	Sherrin, a
Coolidge, a	Leech, g	Spaulding, u
Davis, A. E.,	Leiser, a	Stanton, g
De Graff, a	Marot, u	Thomas, M. S., a
Dibell, a	Matthews, u	Thurston,
Drew, a	Matz,	Wallace, a
Freeman, a	Messing, a	Walls, a
Friedman, J., a	Mitchell,	Wilkins, g
Goodspeed,	Moran, a	Witt,
Graves, E., a	Moran, T., u	Woodward, a
Graves, L., a		(61)

Seminar: Nineteenth Century Literary Movements. DM. (38)**MR. TRIGGS.**

Barrett, g	Henry, g	Putnam, g
Beardsley,	Johnson, g	Smith, M. C., g
Bray, g	Lambert, u	Spalding, u
Coolidge, a	Lathe, g	Stanton, g
Gilpatrick, a	Love, g	Walker, u
Goodspeed,	Milliman, g	Wollpert,
Grant, K.,	Mitchell,	Woods, F. W., u
		(21)

The Poetry of Spenser. DM. (35)**MR. CARPENTER.**

Bowen, g	Lathe, g	Snoddy, g
Butler, a	Love, g	Tanaka, a
Dougherty, M., u	Morgan, u	Wilkinson, g
Grant, G. K., g	Pomerine, g	Weatherlow, g
Grant, K.,		(13)

XV. BIBLICAL LITERATURE IN ENGLISH.

(See Graduate School and University Colleges, VII., and Divinity School, XV.)

XVI. MATHEMATICS.**R.**

(Students, 109; courses registered, 121).

Theta Functions. DM. (22)**PROFESSOR MOORE.**

Froley, g	Slaught, g	Smith, J. A., g
Huff, g		(4)

Thesis Work.**PROFESSOR MOORE.**

Hutchinson, g		(1)
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Research Work.**PROFESSOR MOORE.**Hardcastle, *g* (1)**Theoretical Electricity. DM. (13)****ASSISTANT PROFESSOR MASCHKE.**Foley, *g* Huff, *g* Whitney, *g* (4)
Goldberg, *a***Finite Groups of Linear Substitutions. DM. (19)****ASSISTANT PROFESSOR MASCHKE.**Froley, *g* Hutchinson, *g* Slaughter, *g*
Hardcastle, *g* Joffe, *g* Smith, J. A., *g* (7)
Huff, *g***Theory of Invariants. DM. (6b)****DR. YOUNG.**Cobb, *g* Taylor, *g* Torrey, *g* (4)
Joffe, *g***Plane Trigonometry. DM. (2b)****DR. YOUNG.**Arnold, *a* Furness, *a* Linn, J. W., *a*
Atwood, W., *a* Gettys, *a* Robertson, *a*
Bell, *a* Goodhue, *a* Vaughan, L. B., *a*
Brown, A., *a* Haft, *a* Vaughan, Wm., *a*
Chapin, Johnston, Wiley, *a*
Diver, *a* Kerr, *a* Willis, *a* (18)**Required Mathematics. DM. (1d)****DR. YOUNG.**Beardsley, Flint, N. W., *a* Odell, *a*
Bliss, G. A., *a* Ford, *a* Osgood, *a*
Brook, *a* Guthrie, *a* Perahing, *a*
Chace, *a* Harvey, *g* Porterfield, *a*
Chamberlin, E., *a* Hering, *a* Raycroft, *a*
Cortner, Kells, *a* Smith, H. J., *a*
Dignan, *a* Kennedy, Tooker, *a*
Durand, *a* Macomber, *a* Woodward, *a* (26)
Ellis, *a* Marsh, *a***Differential Equations. DM. (10)****DR. BOYD.**Foley, *g* Taylor, *g* Twitchell, *g*
Lehman, *g* Torrey, *g* Whitney, *g* (6)**Plane Analytical Geometry and Differential and
Integral Calculus. DM. (5)****DR. BOYD.**George, Lamay, *a* Schnelle, *a*
Heil, *u* Lansingh, *a* Spalding, *u* (8)
Johnson, V., *a* Neel, *a***Required Mathematics. DM. (1f)****DR. BOYD.**Apps, *a* Hutchings, *a* Perkins, *a*
Atwood, H., *a* Hyman, *a* Radford, *a*
Ballou, *a* Jones, N., *a* Rice, *a*
Cosgrove, *a* Kane, *a* Roger, *a*
Beach, *a* Kennedy, *a* Simpson, *a*
Goodman, *a* Minnick, *a* Trumbull, *a* (20)
Graves, F., *a* Morgan, *a***Required Mathematics. DM. (1e)****MR. SLAUGHT.**Bachelle, *a* Gwinn, *a* McKinley,
Bennett, L., *a* Hay, *a* McWilliams, M., *a*
Cornish, *a* Hulburt, *a* Messick, *a*
Dornaise, *a* Kellogg, *a* Mosser, *a*
Evans, *a* Lagergren, *a* Northrup, *u*
Fiske, *g* Loesch, *a* Peterson, *a*
Flint, N., *a* McCorkle, *a* Pienkowsky, *a* (22)
Gardner, *a***XVII. ASTRONOMY.****R.**

(Students, 11; courses registered, 15).

Solar Physics. DM. (2)**ASSOCIATE PROFESSOR HALE.**

(Course not given owing to Professor Hale's absence).

Theory of Secular Perturbations. DM. (7)**DR. SEE.**Froley, *g* Lehman, *g* (2)**History of Astronomy. DM. (12)****DR. SEE.**Barrett, S. B., *g* Harvey, *g* Wyant, *u* (5)
Clarke, *a* Marot, *u***Astronomical Seminar.****DR. SEE AND DR. LAVES.**Barrett, S. B., *g* Harvey, *g* Lehman, *g* (4)
Froley, *g***Determination of Orbits of Planets. DM. (9a)****DR. LAVES.**Hardcastle, *g* Hutchinson, *g* (2)**Theory of Probability and Method of Least Squares.
DM. (9)****DR. LAVES.**Cook, *g* Joffe, *g* (2)**XVIII. PHYSICS.****R.**

(Students, 73; courses registered, 113).

Research Course. DMM. (1)**HEAD PROFESSOR MICHELSON.**Foley, *g* (1)**Special Graduate Course. DM. (or DMM.) (2)****HEAD PROFESSOR MICHELSON.**Foley, *g* Whitney, *g* (2)**General Physics (advanced). DM. (3)****HEAD PROFESSOR MICHELSON AND ASSISTANT
PROFESSOR STRATTON.**Barrett, *g* Stone, *g* Welsh, *g* (5)
Cooke, *g* Swartz, *g***Laboratory Work (advanced). DM. (4)****HEAD PROFESSOR MICHELSON AND ASSISTANT
PROFESSOR STRATTON.**Barrett, *g* Stone, *g* Whitney, *g* (3)

General Physics. DM. (5)**ASSISTANT PROFESSOR STRATTON.**

Abbott, W., a	Friedman, H., a	Neel, a
Bachellé, a	Gale, a	Paddock, a
Baird, a	Hamilton, a	Peabody, a
Baker, a	Harvey, g	Perisho, g
Barrett, L. E., a	Hewitt, H. H., a	Pershing, a
Bliss, G. A., a	Hobart, a	Robbins, a
Braam, a	Holloway, a	Shibley, g
Breeden, a	Hubbard, a	Simpson, a
Broeck, a	Hughes, a	Sperans, a
Carpenter, a	Johnson, a	Stone, H. W., a
Chollar, a	Karpen, a	Stone, H., g
Chase, a	Kruse, u	Thomas, a
Clark, F. B., a	Lansingh, a	Wales, a
Comstock, a	Leonard, a	Weingarten, a
Dawes, a	Lipsky, a	Weiland, a
Dougherty, H., a	Loeb, a	Williston, a
Fiske, g	McGillivray, a	Winston, a
Flint, J., a	Munson, a	Wolff, a
Folin, g		

(55)

Laboratory Practice (General). DM. (6)**MR. HOBBS.**

Abbott, a	Friedman, J., a	Neel, a
Bachelle, a	Gale, a	Peabody, a
Baker, a	Hewitt, H. H., a	Pershing, a
Barrett, L. E., a	Harvey, a	Perisho, g
Bliss, G., a	Hobart, a	Pierce, E. V., u
Braam, a	Holloway, a	Rice, a
Breeden, a	Hughes, a	Simpson, a
Carpenter, a	Hunter, u	Sperans, a
Chollar, a	Johnson, a	Stone, H. W., a
Clark, F. B., a	Karpen, a	Thomas, I., a
Comstock, a	Kruse, u	Wales, a
Chestnut, g	Lansingh, a	Weingarten, a
Dougherty, H., a	Lehman, g	Weiland, a
Ellermann, a	Leonard, a	Williston, a
Fiske, g	Loeb, a	Winston, a
Flint, J., a	McGillivray, a	

(47)

XIX CHEMISTRY**K.**

(Students, 39; courses registered, 70).

Organic Chemistry. M. 1st Term. (6)**PROFESSOR NEF.**

Bothe, g	Goodell, g	Jones, L. W., g
Chestnut, g	Hesse, g	Swartz, g
Folin, g		

(7)

Organic Preparations. Laboratory Work. M.

(or MM.) 1st Term. (12)

PROFESSOR NEF.

Hesse, g	Jones, L. W., g
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(2)

Research Work for Ph.D. Thesis. MM. 1st Term. (14)**PROFESSOR NEF.**

Bernhard, g	Smith, W. R., g
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(2)

Independent Research.

Hesse, g	Thurnauer, g
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(2)

Journal Meetings. (15)**PROFESSOR NEF.**

Bernhard, g	Goodell, g	Smith, W. R., g
Chestnut, g	Hesse, g	Swartz, g
Folin, g	Jones, L. W., g	Thurnauer, g

(9)

Advanced Inorganic Work. DM. (or MM.) (10)**ASSISTANT PROFESSOR SCHNEIDER.**

Goodell, g

(1)

Qualitative Analysis. Laboratory Work. DM (or MM.) (4)**ASSISTANT PROFESSOR SCHNEIDER.**

Dawes, a	Lealie, g	Yarzembaki, a
Jone, a		

(4)

Quantitative Analysis. Lectures. ½DM. (3)**ASSISTANT PROFESSOR SCHNEIDER.**

Abells, a	Fox, H. W., g	Lealie, a
Blackmarr, u	Jone, a	Newby, g
Bothe, g	Keeler, a	Yarzembaki, a

(9)

Quantitative Analysis. Laboratory Work. DM. (or MM.) (5)**ASSISTANT PROFESSOR SCHNEIDER.**

Abells, a	Bothe, g	Keeler, a
Blackmarr, u	Fox, g	Newby, g

(6)

Research Work for Ph.D. Thesis. (Inorganic). DMM. (14)**ASSISTANT PROFESSOR SCHNEIDER.**

(Course not taken).

Research Work for Ph.D. Thesis. DMM. (14)**DR. STIEGLITZ.**

Folin, O. K., g

(1)

Advanced Inorganic Work. MM. 2d Term. (10a)**DR. STIEGLITZ.**

Chestnut, V. K., g

(1)

General Chemistry. DM. (1)**DR. LENGFELD.**

Abells, a	Pierce, E. V., u	Tolman, a
Boomer, J., u	Robbins, a	Walling, a
Comstock, a	Schnelle, a	Webster, a
Guyer, u	Shibley, a	Whitson, a
Hamilton, a	Stone, H., g	Wolf, a
Lamay, a	Stone, E., g	Woolley, a
Lewis, A. B., u	Stowell, a	Yarzembaki, a
Minard, a		

(22)

Theoretical Chemistry. ½M. 1st Term. (9)**DR. LENGFELD.**

Bothe, g	Chestnut, g	Hesse, g
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(3)

Research Work for Ph.D. Thesis. DMM. (14)

Swartz, g

(1)

On the Aromatic Compounds. ½DM.**DR. CURTISS.**

(Course not taken).

XX. GEOLOGY.

W.

(Students, 19; courses registered, 141).

Seminar. (25)

HEAD PROFESSOR CHAMBERLIN.

Bownocker, <i>g</i>	Gordon, <i>g</i>	Perisho, <i>g</i>
Buell, <i>g</i>	Hay, <i>g</i>	Quereau, <i>g</i>
Cowles, <i>g</i>	Hopkins, <i>g</i>	Taylor, <i>g</i>
Farr, <i>g</i>	Lucas, <i>g</i>	Willard, D. E., <i>g</i> (14)
Ford, <i>g</i>	Peet, <i>g</i>	

Local Field Geology. (24)

HEAD PROFESSOR CHAMBERLIN.

(Taken in connection with other courses).

Geologic Life Development. DM. (16a)

HEAD PROFESSOR CHAMBERLIN.

Barnes, <i>u</i>	Ford, <i>g</i>	Peet, <i>g</i>
Buell, <i>g</i>	Hopkins, <i>g</i>	Perisho, <i>g</i>
Clarke, <i>a</i>	Miller, M. L., <i>g</i>	Willard, E., <i>g</i> (11)
Cowles, <i>g</i>	Miller, W. G., <i>g</i>	

Special Geology. (23)

HEAD PROFESSOR CHAMBERLIN.

Buell, <i>g</i>	Gordon, <i>g</i>	Willard, D. E., <i>g</i> (3)
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Independent Field Work. (28)

PROFESSOR SALISBURY.

Kammel, <i>g</i>		(1)
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Petrology. DM. (5)

ASSOCIATE PROFESSOR IDDIGS.

Hopkins, <i>g</i>		(1)
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Petrography. DM. (or DMM.) (6)

ASSOCIATE PROFESSOR IDDIGS.

Bownocker, <i>g</i>	Hopkins, <i>g</i>	Miller, W. G., <i>g</i> (4)
Gordon, <i>g</i>		

Palæozoic Faunas. DMM. (or DM.) (18c)

DR. QUEREAU.

Bownocker, <i>g</i>	Ford, <i>g</i>	Peet, <i>g</i>
Cowles, <i>g</i>	Lucas, <i>g</i>	Willard, D. E., <i>g</i> (6)

Palæontologic Geology.

DR. QUEREAU.

Gordon, <i>g</i>		(1)
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XXII. ZOÖLOGY.

K.

(Students, 23; courses registered, 35).

Embryology: Tectonics of the Vertebrate Embryo.

DMM. (2)

HEAD PROFESSOR WHITMAN.

Boyer, <i>g</i>	Clapp, <i>g</i>	Mead, <i>g</i>
Bristol, <i>g</i>	Eycleshymer, <i>g</i>	Munson, <i>g</i>
Brode, <i>g</i>	Lillie, <i>g</i>	Sturges, <i>g</i> (9)

Sanitary Biology. DM. (6)

Chestnut, <i>g</i>	Hardesty, <i>g</i>
Guyer, <i>u</i>	

DR. JORDAN.

Wooley, <i>a</i>	(4)
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Special Bacteriology. DMM.

DR. JORDAN.

Chestnut, <i>g</i>	Flint, J. M., <i>u</i>	(2)
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Biological Readings. $\frac{1}{2}$ DM.

DR. JORDAN.

Hamilton, <i>a</i>	Lewis, A., <i>u</i>	Weingarten, <i>a</i>
Hubbard, <i>u</i>	Strawn, <i>a</i>	Wooley, <i>a</i> (6)

Anatomy and Physiology of the Cell. DM.

DR. WATASE'.

Brode, <i>g</i>	Hardesty, <i>g</i>	Munson, <i>g</i>
Clapp, <i>g</i>	Hubbard, <i>u</i>	Sturges, <i>g</i> (7)
Guyer, <i>u</i>		

PALÆONTOLOGY.

Comparative Osteology and Phylogeny of Vertebrates (9), and Seminar in Comparative Osteology (10). DM.

ASSISTANT PROFESSOR BAUR.

Clapp, <i>g</i>	Hay, <i>g</i>	Taylor, <i>g</i> (4)
Farr, <i>g</i>		

Research in the Osteology of Living and Extinct Vertebrates. DMM. (11)

ASSISTANT PROFESSOR BAUR.

Farr, <i>g</i>	Hay, <i>g</i>	Taylor, <i>g</i> (3)
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XXIII. ANATOMY AND HISTOLOGY.

K.

(Students, 7; courses registered, 7).

Research Methods. DM. (4)

MR. EYLESHYMER.

Flint, J., <i>a</i>	Payne, <i>g</i>	Shibley, <i>g</i>
Howeth, <i>g</i>	Stafford, <i>g</i>	Wolfe, <i>g</i> (7)
Manchester, <i>g</i>		

XXIV. PHYSIOLOGY.

R.

(Students, 18; courses registered, 20).

Original Investigation in Physiology. DMM. (1)

ASSISTANT PROFESSOR LOEB.

Cooke, E., <i>g</i>		(1)
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General Physiology of Plants and Animals (9) and General Physiology of Nerves and Muscles (10). DM.

ASSISTANT PROFESSOR LOEB.

Bothe, <i>g</i>	Hardesty, <i>g</i>	Munson, <i>g</i>
Brode, <i>g</i>	Howeth, <i>g</i>	Sturges, <i>g</i>
Chamberlin, <i>g</i>	Lozier, <i>u</i>	Wooley, <i>a</i> (9)

**Laboratory Work in the Physiology of Nerves
and Muscles and in General Physiology (11)
and Seminar (12). DM.**

ASSISTANT PROFESSOR LOEB.

Mitchell, *g* Welsh, *g* (2)

General Laboratory Work in Physiology. DM.

DR. LINGLE.

Ballou, *a* Diver, *a* Wiley, *a*
Campbell, *g* Mitchell, *g* Wolff, *a* (8)
Chamberlin, *g* Raycroft, *a*

XXV. NEUROLOGY.

K. 45

(Students, 15; courses registered, 18).

**Doctrine of Localization of Function in the Cere-
bral Cortex. DM. (4)**

PROFESSOR DONALDSON.

Clapp, *g* Lillie, *g* Stafford, *g*
Eyleshymer, *g* Manchester, *g* Taylor, *g*
Farr, *g* Mead, *g* Wolfe, *g* (9)

Seminar. DM. (6)

PROFESSOR DONALDSON.

Baker, *g* Manchester, *g* Taylor, *g*
Brainard, *g* Stafford, *g* Wolfe, *g* (7)
Farr, *g*

**An Introduction to Comparative Anatomy of the
Central Nervous System.**

DR. MEYER.

Campbell, *g* Wolfe, *g* (2)

XXVI. ELOCUTION.

A.

(Students, 64; courses registered, 64).

Theory and Practice. One hour a week. (1)

MR. CLARK.

Section A.

Clarke, H. L., *a* Kerr, *a* Smith, H. J., *a*
Furness, *a* Klock, *a* Woodward, *a* (7)
Gilpatrick, *a*

Section B.

Carpenter, *a* Hughes, *a* Rice,
Clark, F., *a* McCalla, Van Vliet, *a* (8)
Diver, *a* McKinley,

Section C.

Atwood, H. F., *a* Gettys, *a* Hubbard, *a*
Beatty, *a* Goodhue, *a* Minard, *a*
De Graff, *a* Hale, *a* Willis, *a* (10)
Gale, *a*

Section D.

Arnold, *a* Robertson, *a* Stone, *a*
Brandt, *a* Schnelle, *a* Weingarten, *a*
Davis, A. E., Sherman, *a* Winston, *a* (10)
McClintock, A., *a*

Section E.

Barrett, L. E., *a* Hulshart, *a* Moffatt, *a*
Brown, L., *a* Hurlburt, *a* Pike, *a*
Cook, *a* Johnson, R., *a* Thomas, M. S., *a*
Gardner, *a* Johnson, V., *a* Todd, *a*
Goldberg, *a* Luttrell, *a* Walls, *a*
Graves, P. S., *a* Maynard, *a* Wilson, (20)
Hosie, *a* Messick, *a*

Section F.

Coolidge, *a* Hobart, Stowell, *a*
Friedman, J. C., *a* Holloway, *a* Williams, J. W., *a*
Goss, Sass, *a* Williston, *a* (9)

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

XXX. OLD TESTAMENT LITERATURE AND EXEGESIS.

For detailed statement of class lists, see above under No. VII.

XXXI. NEW TESTAMENT LITERATURE AND EXEGESIS.

For detailed statement of class lists, see above under No. VIII.

XXXIII. SYSTEMATIC THEOLOGY.

D. 2-7.

(Students, 58; courses registered, 66).

Anthropology. M. 1st Term.

HEAD PROFESSOR NORTHRUP.

Atchison,	Dickerson,	McKinney,
Atchley,	Fisk,	Milne,
Allen, C. W.,	Fletcher,	Morgan,
Allison,	Frantz,	Nordlander,
Beyl,	Georges,	Osborn, <i>g</i>
Borden,	Guard,	Proctor,
Bowen,	Goodman,	Randall,
Baker,	Hageman,	Read, <i>g</i>
Case,	Halbert,	Rhodes,
Chalmers,	Hazelton,	Rocen,
Chapin,	Herrick,	Saunders,
Cook,	Heyland, <i>g</i>	Tustin,
Coon, D. B.,	Howard,	Varney,
Cressey,	Hurley,	Watson,
Criswell,	Ingraham,	Wishart,
Davis,	Kinney,	Wood,
Eaton,	Lemon,	Wright,
Eddy,	Lockhart,	Wyant,
Eubank,		

(55)

Christology. MM. 1st Term.

HEAD PROFESSOR NORTHRUP.

Heyland, <i>g</i>	Osborn, <i>g</i>	Read, <i>g</i>
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(3)

Eschatology. M. 1st Term.

ASSISTANT PROFESSOR SIMPSON.

Borden,	Frantz,	Shatto,
Davis,	Kinney,	Ward,
Ford,	Read, <i>g</i>	

(8)

XXXIV. CHURCH HISTORY.

D. 2-7.

(Students, 28; courses registered, 28).

Calvin and the Swiss Reformation. M. 1st Term. (13)

ASSISTANT PROFESSOR JOHNSON.

Allen, C. W.,	Davies, F. G.,	Hulbert,
Andersen,	Davis, J. T.,	Hurley,
Bixen,	Dickerson,	Martin,
Booker,	Fisk,	McKinney,
Brandermark,	Fletcher,	Nelson,
Brownson,	Georges,	Pooley,
Bruce,	Hale,	Sanderson,
Case,	Horne,	Stevens,
Coon, D. I.,	Howard,	Wyant,
Coon, D. B.,		

(28)

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

(Students, 16; courses registered, 17).

History of Preaching. M. 1st Term. (3)

HEAD PROFESSOR ANDERSON.

Atchison,	Davies,	Martin,
Bowen,	Howard, W. S.,	Phillips,
Cressey,	Ingraham,	Tustin,
Dickerson,	Jones,	

(11)

Church Polity and Pastoral Duties. (Special Course.) M. 1st Term.

HEAD PROFESSOR ANDERSON.

Case,	Herrick,	Tustin,
Fisk,	Shatto,	Ward.

(6)

XV. BIBLICAL LITERATURE IN ENGLISH.

For detailed statement of class lists see above under No. VII., and under No. XV. in *The English Theological Seminary*.

THE ENGLISH THEOLOGICAL SEMINARY.

XV. BIBLICAL LITERATURE IN ENGLISH.

(Students, 26; courses registered, 26).

The Gospel of Luke on the Basis of the Revised Version. M. 1st Term. (B9)

MR. WOODRUFF.

Allen, H. H.,	Hatch,	Schlamann,	
Berry,	Hoyt,	Smith, T. L.,	
Bishop, a	Lockwood,	Smith, C. H.,	
Blake,	Lockwood (Mrs.),	Speicher,	
Boynton,	Mason,	Summers,	
Carrol,	Morgan (Mrs.),	Troyer,	
Chace,	Osgood,	West,	
Dent,	Paul,	Witt,	(26)
Giblett,	Pooley,		

XXXIII. SYSTEMATIC THEOLOGY.

(Students, 13; courses registered, 13).

Soteriology and Eschatology. M. 1st Term. (5)

ASSISTANT PROFESSOR SIMPSON.

Bixon,	Giblett,	Smith,	
Blake,	Grablachoff,	Speicher,	
Boynton,	Hole,	Thompson,	
Carrol,	Schlamann,	Wood,	(13)
Fradsenburg,			

XXXV. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

(Students, 14; courses registered, 14).

Homiletics. M. 1st Term. (2)

ASSISTANT PROFESSOR JOHNSON.

Allen, H. H.,	Hatch,	Smith, C. H.,	
Berry,	Hoyt,	Summers,	
Dent,	Lockwood,	Troyer,	
Fradsenburg,	Mason,	West,	(14)
Grablachoff,	Phillips,		

THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

XL. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (DANISH-NORWEGIAN).

(Students, 4; courses registered, 8).

Sacred Geography and Biblical Antiquities. M. 1st Term. (4)

ASSISTANT PROFESSOR GUNDERSON.

Andersen, H. P.,	Overgaard,	Rasmussen,	(4)
Nelson,			

The Epistle to the Ephesians. M. 1st Term. (8)

ASSISTANT PROFESSOR GUNDERSON.

Andersen, H. P.,	Overgaard,	Rasmussen,	(4)
Nelson,			

THE SWEDISH THEOLOGICAL SEMINARY.

XLV. OLD AND NEW TESTAMENT LITERATURE AND EXEGESIS. (SWEDISH).

(Students, 13; courses registered, 13).

The Epistle to the Hebrews. M. 1st Term. (7)

ASSISTANT PROFESSOR MORTEN.

Berglund,	Lawrence,	Nelson, C. A.,	
Carlson, S. G.,	Lindblad,	Nylin,	
Carlson, J. A.,	Nelson, Swaney A.,	Olson, L.,	
Clint,	Nelson, Sven A.,	Sandell,	(13)
Johnson,			

Pastoral Duties. M. 1st Term. (10)

PROFESSOR LAGERGREN.

Lawrence,	Nelson, Sven A.,	Nelson, C. A.,	(4)
Lindblad,			

XLVII. CHURCH HISTORY. (SWEDISH).

(Students, 13; courses registered, 13).

XLVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES. (SWEDISH).

(Students, 12; courses registered, 13).

The Doctrine of Man. M. 1st Term. (5)

PROFESSOR LAGERGREN.

Carlson, J. A.,	Johnson,	Olson,	
Carlson, S. G.,	Nelson, Swaney A.,	Sandell,	(8)
Clint,	Nylin,		

Modern Church History. M. 1st Term. (1)

ASSISTANT PROFESSOR SANDELL.

Berglund,	Lawrence,	Nelson, Swaney A.,	
Carlson, J. A.,	Lindblad,	Nylin,	
Carlson, S. G.,	Nelson, Anton,	Olson,	
Clint,	Nelson, Sven A.,	Sandell,	(13)
Johnson,			

THE QUARTERLY REPORT

CONCERNING THE SEVERAL DIVISIONS OF THE UNIVERSITY. WINTER QUARTER, 1894.

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

[The numerals indicate the work of each Instructor reckoned in Double Minors, as open to students in the several divisions.]

Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total	Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total
Philosophy.	Strong.	2	1	..	..	2	German. ⁵	Cutting.	2	1	1	..	3
	Tufts.	2	1	..	1	2		Schmidt-Wartenberg.	3	..	..	..	3
	Monin.	1	..	..	..	1		Mulfinger.	..	..	3	..	3
	Mezes.	1	..	..	..	1		Moulton.	1	1	..	..	1
Apologetics.	Robinson.	2	2	..	2	2	English. ⁶	Blackburn.	3	2	..	..	3
Political Economy.	Laughlin.	1	..	..	..	1		Crow.	2	1	..	..	2
	Miller, A. C.	2	1	1	..	3		McClintock.	2	1	..	..	2
	Caldwell.	2	2	..	..	2		Tolman.	1	1	1	..	2
	Hill.	2	2	1	..	2		Herrick.	..	..	3	..	3
	Veblen.	1	1	..	..	1		Lovett.	..	..	3	..	3
	Hourwich.	1	1	..	..	1		Lewis.	..	..	1	..	1
	Lovett.	1	1	1	..	1		Triggs.	1	1	1	..	1
	Clark.	1	1	1	..	1	Bib. Lit. in English.	Votaw.	1	1	2	..	2
Political Science. ¹	Judson.	3	1	..	..	3		(See also Divinity School. Eng. Theo. Sem.)	1	..	1	..	2
History.	Conger.	1	1	1	..	1	Mathematics. ⁷	Moore.	2	1	..	..	2
	von Holst.	2	2	..	..	2		Bolza.	2	1	..	..	2
	Terry.	2	1	..	..	2		Maschke.	2	1	..	..	2
	Goodspeed.	1	1	..	..	1		Young.	1	1	..	..	1
	Thatcher.	..	..	2	..	2		Boyd.	..	..	3	..	3
	Schwill.	1	1	1	..	2		Slaught.	..	..	2	..	2
Sociology and Anthropology.	Shepardson.	1	1	..	..	1		Smith, J. A.	..	..	1	..	1
	Small.	5	..	..	..	5	Astronomy. ⁸	See.	2	1	..	..	2
	Henderson.	2	1	..	1	2		Laves.	2	..	..	..	2
	Talbot.	2	2	..	..	2	Physics.	Michelson.	3	1	..	..	3
	Starr.	2	2	..	..	2		Stratton.	4	4	..	..	4
Comparative Religion.	West.	..	..	..	..	..	Chemistry.	Hobbs.	..	..	1	..	1
	Goodspeed.	1½	1½	..	1½	1½		Nef.	4	3	..	..	4
Semitics.	Buckley.	1½	1½	..	1½	1½		Schneider.	3½	3½	..	..	3½
	Harper, W. R.	2	2	..	2	2		Lengfeld.	4	1½	1	..	4
	Hirsch.	1½	1½	..	1½	1½		Stieglitz.	2	1½	..	..	2
	Price.	2	2	..	2	2		Ikuta.	..	..	..	..	..
	Goodspeed.	(See History)	1½	1½	..	1½	Geology and Minerology.	Chamberlin.	1½	1½	..	..	1½
	Harper, R. F.	1½	1½	..	1½	1½		Salisbury.	2½	2½	..	..	2½
Bibl. & Patr. Greek.	Crandall.	1	1	..	1	1		Van Hise.	1	1	..	..	1
	Kent.	..	..	..	..	..		Iddings.	3(2)	3(2)	..	..	3(2)
Sanskrit.	Burton.	2	2	..	2	2		Penrose.	1	..	..	..	1
	Arnolt.	1	1	..	1	1		Quereau.	1½	1½	..	..	1½
Greek. ²	Shorey.	2	..	..	..	2	Zoology and Palæontology. ⁹	Merriam.	1½	1½	..	..	1½
	Tarbell.	2	2	1	..	2		Kümmel.	..	..	1	..	1
	Castle.	2	2	..	..	2		Whitman.	3	..	..	..	3
Latin. ³	Hale, W. G.	2	..	..	..	2		Baur.	4	..	..	..	4
	Abbott.	2	1	..	..	2	Anatomy.	Jordan.	2	2	1	..	3
	Tarbell.	(See Greek)	..	..	..	..		Wataase'.	Lectures.	2	..	..	2
	Miller, F. J.	..	..	2	..	2	Physiology.	Lillie.	2	..	..	..	2
	Emery.	..	..	2	..	2		Eycleshymer.	1	1	..	..	1
	Pellett.	..	..	2	..	2	Neurology.	Lingle.	1	1	1	..	1
Romance. ⁴	Knapp.	3	..	..	..	3		Donaldson.	2	1	..	..	2
	Bergeron.	4	4	..	..	4	Elocution.	Clark.	1½*	1½*	1½*	..	1½*
	Kinne.	..	..	3	..	3							
	Wallace.	1	1	1	..	1	* Mr. Clark taught, besides, 6 sections, for which credit is given.						
	Poyen.	1	1	..	..	1	ON LEAVE OF ABSENCE.						

1. Professor Lawrence. 2. Assistant Professor Capps. 3. Professor Chandler. 4. Mr. Howland. 5. Dr. von Klenze. 6. Professor Wilkinson. 7. Mr. Hancock. 8. Associate Professor Hale. 9. Mr. Wheeler.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Department.	Graduate School.			Univ. Colleges.		Acad. Colleges.		Unclassified		Divinity Students.	Total.		
	DM.	Students.		DM.	Students.	DM.	Students.	DM.	Students.		DM.	Students.	
		Primary Work.	Second'y Work.										
Philosophy, A and B	8	5	10	3	12	...	..	*13	3½	6	22	8	68
Political Economy	9	13	19	4	10	3	22	4	3	7	..	9	75
Political Science	4	12	16	2	7	1	..	5	2	6	..	4	46
History	7	21	28	7	11	2	79	12	6	20	8	10	193
Sociology and Anthropology ..	11	20	11	4	5	...	..	1	1	1	22	11	60
Comparative Religion	1	..	1	1	1	...	..	..	1	..	4	1	6
Semitic Languages	11	7	2	7½	2	...	..	1	1	1	42	11	55
Biblical and Patristic Greek ..	3	2	2	3½	..	...	..	..	..	..	9	3	13
Sanskrit and Indo-Europ. Phil.	2	6	1	...	..	...	..	..	..	..	..	2	7
Greek	6	6	21	3	2	2	19	7	4	4	..	6	59
Latin	5	18	10	1	4	6	73	5	3	3	..	11	113
Romance	9	8	6	5	5	4	25	21	5	7	..	12	72
Germanic	5	4	10	1	7	4	75	..	7	21	..	9	117
English	12	28	9	7	15	3	122	7	15	56	1	18	...
Biblical Literature in English ..	1	..	..	1	..	1	4	1	2	3	10	2	18
Mathematics	6	15	8	4	3	2	112	6	5	10	..	13	154
Astronomy	4	2	4	4	3	...	..	1	..	..	..	4	10
Physics	7	5	6	2	..	2	46	..	3	13	..	8	70
Chemistry	13½	15	8	8½	4	1	11	2	2½	6	..	13½	46
Geology and Minerology	9	11	14	8	5	1	12	4	3	4	..	10	50
Zoology and Palæontology	11	14	10	4	5	2	6	1	2	1	..	11	37
Anatomy	1	..	5	1	2	...	..	1	1	1	..	1	9
Physiology	5	3	5	2	..	1	12	..	..	..	..	5	20
Neurology	2	..	11	1	..	...	..	..	1	1	..	2	12
Elocution	½	..	3	...	..	½	74	..	1½	9	..	½	86

* This column registers Academic students taking University College Courses.

THE FACULTY OF THE DIVINITY SCHOOL.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

Department.	Instructor.	Courses.	Department.	Instructor.	Courses.
THE GRADUATE DIVINITY SCHOOL.			THE ENGLISH THEOLOGICAL SEMINARY.		
Old Testament Literature and Exegesis.*	Harper, W. R.	2	Church History.	Hulbert.	½
	Hirsch.	1½	Systematic Theology.	Northrup.	1
	Price.	2		Simpson.	2
	Goodspeed.	1	Homiletics, Church Polity, and Past. Duties.	Anderson.	1
	Harper, R. F.	1½		Johnson.	½
	Crandall.	1	DANISH-NORWEGIAN THEOLOGICAL SEMINARY.		
New Testament Literature and Exegesis.	Burton.	2	Old and New Test. Lit. and Exegesis.	Gunderson.	2
	Arnolt.	1			
Biblical Theology.			Systematic Theology.	Wold.	1
Church History.	Hulbert.	2	THE SWEDISH THEOLOGICAL SEMINARY.		
	Johnson.	1	System. Theology and Pastoral Duties.†	Lagergren.	2
Systematic Theology.	Northrup.	1	Church History.	Sandell.	1
	Simpson.	..	Homiletics.	Sandell.	1
Homiletics, Church Polity, and Pastoral Duties.	Anderson.	4			
	Johnson.	1			

* Dr. Crandall on leave of absence, first term.

† Professor Jensen on leave of absence.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Departments.	Graduate Divinity School.		English Theological Seminary.		Danish-Norwegian Theological Seminary.		Swedish Theological Seminary.	
	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.
Old Test. Lit. and Exegesis.....	9	44	..	..	..	..	..	..
New Test. Lit. and Exegesis....	3	13	..	10	2	12	..	..
Biblical Theology.....	0	..	..	11	..	..	..	..
Church History.....	3	72	1½	11	..	..	1	26
Systematic Theology.....	1	33	3	83	1	16	2	24
Homiletics, Church Polity, and Pastoral Duties.....	2	109	1½	27	..	..	1	18

COMPARATIVE REGISTRATION OF WINTER AND SPRING QUARTERS.

	Registration of Winter Quarter.			Discontinuing at Beg. of Spr. Quarter.		Receiving Degrees or Certif. Apr. 3, 1894.		Entering at Beg. of Spring Quarter.		Registration of Spring Quarter.		
	Men.	Wom.	Total.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Total.
Graduate School.....	187	72	259	20	9	..	1	5	3	172	66	238
Non-Res. Grad. Students.....	22	5	27	3	1	..	..	2	..	19	4	23
University Colleges.....	32	16	48	7	1	1	1	7	3	42	31	73
Academic Colleges.....	149	101	250	12	11	..	2	16	21	138	82	220
Unclassified.....	37	59	96	7	8	..	1	6	12	28	53	79
Grad. Div. School.....	99	3	102	16	2	..	..	4	..	86	1	87
Engl. Theol. Sem.....	42	3	45	19	..	1	..	..	..	21	3	24
Dan-Norw. Theol. Sem.....	8	..	8	4	..	..	..	..	..	4	..	4
Swedish Theol. Sem.....	13	..	13	..	..	..	..	..	..	13	..	13

Total attendance, Winter Quarter, 1894 : 848.

Registration for Spring Quarter, 1894 : 755.

INSTITUTIONS FROM WHICH STUDENTS HAVE COME
WITH NUMBER IN EACH CASE.

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.
Acadia University	3	..	3	Hamilton College	1	..	1	Northwestern University	10	4	..
Adrian College	1	..	..	Hanover College	1	..	..	Oberlin College	9	..	2
Albion College	4	..	..	Hartsville College	1	..	..	Oberlin Seminary .....	..	..	1
Alfred University	1	..	1	Harvard University	15	..	..	Ohio Institute for Blind .....	..	..	1
Alleghany College	1	1	..	Haverford College .....	..	..	1	Ohio Normal University .....	..	..	1
Amherst College	1	..	1	Healdsburg College	1	..	..	Ohio State University	2	..	..
Baldwin University	1	..	..	Hebron Academy .....	..	..	1	Ohio Wesleyan University	1	..	..
Baptist Union Theol. Sem. ..	3	..	..	Heidelberg College	1	..	1	Omaha, University of	1	..	..
Bates College	1	..	1	Hillsdale College	1	..	1	Oorahiah College (Persia) ..	..	..	1
Beloit College	5	2	2	Hope College	1	1	..	Oskaloosa College .....	..	..	7
Beloit Academy .....	..	..	1	Hulme Cliff College (Sheffield Eng.) .....	..	..	3	Ottawa University	1	..	..
Berea College	1	..	..	Illinois College	1	1	..	Otterbein University	1	..	..
Berlin, University of	1	..	..	Illinois Normal University ..	1	..	..	Oxford University	1	..	..
Berlin, Falk Real-Gymn	1	..	..	Illinois, University of	1	..	..	Pennsylvania College .....	..	1	..
Bethel College	1	..	..	Indiana State Normal School ..	..	..	1	Pennsylvania, University of ..	2	..	1
Borden Institute .....	..	..	1	Indiana, University of	6	..	..	Phys. and Surg's. Coll. of ..	1	..	..
Boston, University of	1	..	..	India, Military School of .....	..	..	1	Pillsbury Academy .....	..	..	1
Bowdoin College	3	..	..	Ingham College .....	..	2	..	Plattsburg High School .....	..	1	..
Brethren Normal College	5	1	3	Iowa College .....	..	..	2	Pomona College .....	..	1	..
Brown University	1	..	..	Iowa, State University of	2	..	2	Princeton College	1	..	3
Bryn Mawr College	1	..	6	Jacksonville High School .....	..	..	1	Princeton Theological Sem. ..	1	..	..
Bucknell University	1	..	..	Johns Hopkins University	1	..	..	Purdue University	1	..	..
Butler University .....	..	1	..	Kalamazoo College .....	..	1	..	Ref. Episc. Theol. Sem. (Phil- adelphia, Pa.) .....	..	..	..
California College .....	..	..	4	Kansas Normal College .....	..	..	2	Ripon College .....	..	..	1
California, University of	3	..	1	Kansas, University of	1	..	..	Rochester, University of	4	2	4
Cambridge University	2	..	..	Kentucky Bible College .....	..	..	1	Rutgers College	1	..	..
Carleton College	3	..	..	Kentucky Coll. of Liberal Arts ..	..	..	1	Sioux Falls University .....	..	1	..
Cedar Valley Seminary .....	..	..	2	Keogijiku College .....	..	..	..	Smith College	5	1	..
Central College .....	..	1	..	Knox College	1	..	..	South Dakota, University of ..	1	..	..
Central Wesleyan College	1	..	..	Lake Forest University	1	..	..	Southwest Baptist College .....	..	..	1
Chicago, Old University of	1	..	..	Lawrence University	2	..	..	Stockholm Bapt. Theol. Sem. (Sweden)	2	..	1
Chicago, The University of	8	..	..	La Grange College .....	..	..	2	Syracuse University	2	..	..
Cincinnati, University of	1	1	..	Leland Stanford, Jr., Univ. ..	1	..	..	Tennessee, University of	1	..	..
Claysburg (Pa.) High School ..	..	..	1	Lenox College	1	..	..	Toronto, University of	3	..	..
Clinton Academy	1	..	..	Lombard University	1	..	..	Trinity College .....	..	..	1
Clinton College	1	..	..	MacMaster Univ. (Toronto) ..	..	..	1	Trinity University	1	..	..
Colby University	5	..	..	Manitoba, University of	1	..	1	Union Christian College	1	..	..
Colgate College .....	..	..	1	Marietta College	1	..	..	Union College	1	..	..
Colgate University	3	..	8	Marion Simms Coll. of Med. ..	..	..	1	Union Theol. Seminary .....	..	..	1
Colorado, University of .....	..	..	1	Massachusetts Agricul. Coll. ..	1	..	1	United States Fish Com. (Woods Holl, Mass.)	1	..	..
Columbia College	3	..	..	Massachusetts Inst. of Tech. ..	1	..	2	Upper Iowa University .....	..	..	..
Columbia University	1	..	..	Michigan Man. Train. School ..	..	..	2	Vanderbilt University	1	..	..
Concordia College .....	..	1	..	Michigan State Nor. School .....	..	..	2	Vassar College	9	1	..
Cook Academy (Havana, N.Y.) ..	..	..	1	Michigan, University of	14	8	3	Vienna, Univ. of (Austria)	1	..	..
Cornell College (Iowa)	3	..	1	Middlebury College	1	..	..	Wake Forest College	3	..	..
Cornell University	5	1	..	Millersville Normal School	1	..	..	Wellesley College	10	1	..
Crozer Theol. Seminary	1	..	2	Milton College	1	..	1	Wells College	1	..	..
Dalhousie College	1	..	1	Minsk Gymnasium (Russia) ..	1	..	..	Wesleyan University	3	..	..
Dartmouth College	2	..	..	Minnesota, University of	8	1	1	Western College (Toledo, Ia.) ..	2	..	2
Daughters College	1	..	..	Mississippi, Industrial Insti- tute and College of	1	..	..	Western Maryland College	2	..	..
Denison University	6	..	10	Missouri, University of	3	1	..	Western Reserve University	1	1	..
De Pauw University	3	..	..	Moody's Bible Institute .....	..	..	4	West Virginia, University of ..	1	..	1
Des Moines College	2	..	6	Morgan Park Danish Acad. ....	..	..	8	Wheaton College .....	..	..	1
Doane College	1	..	..	Morgan Park Swedish Acad. ....	..	..	13	William Jewell College	1	1	2
Drake University	1	..	1	Morgan Park Theol. Sem.	1	..	18	Williams College	1	1	1
Drake Divinity School .....	..	..	1	Mt. Allison College .....	..	..	..	Wilmington College	1	..	..
Drury College .....	..	..	..	Mt. Holyoke College .....	..	1	..	Wisconsin, University of	4	1	..
Earlham College	5	..	..	Mt. St. Mary's College .....	..	..	..	Woodstock College (Ontario) ..	..	..	3
East London Institute .....	..	..	2	Nashville, University of	2	..	..	Wooster, University of .....	..	1	..
Emporia College .....	..	1	..	Nebraska City College .....	..	..	1	Yale University	7	1	1
Eureka College	1	..	..	Nebraska, University of	3	..	..	Zenoville (Iowa) Priv. Sch'l. ..	..	..	1
Fisk University	1	..	..	New Hampton Biblical Inst.	1	..	1	Zürich University (Germany) ..	1	..	..
France, University of	1	..	..	Newton Theol. Seminary	1	..	..		
Franklin College .....	..	..	5	New York Univ. of the City of ..	3	..	..		
Freiburg, Univ. of. (Baden) ..	1	..	1	North Dakota, University of ..	1	..	..		
Furman University	1	..	1	Northern Indiana Nor. Sch'l. ..	1	1	..				
Georgetown College (D.C.) .....	..	..	1								

2. ACADEMIC COLLEGES AND UNCLASSIFIED STUDENTS.

	Academic Colleges.	Unclas. Students.		Academic Colleges.	Unclas. Students.		Academic Colleges.	Unclas. Students.
Adelphi Academy.....	1	1	Higbee (Miss) Academy.....	1	..	Ohio Wesleyan College.....	2	..
Adelbert College.....	1	..	Hill House High School.....	..	1	Omaha (Iowa) High School.....	2	..
Albion School.....	1	1	Hiram College.....	..	1	Oneida High School.....	1	..
Allen's Academy.....	1	..	Hope College.....	1	..	Oskaloosa College (Ia.).....	1	..
Augustana College.....	1	..	Howard University.....	1	..	Oshkosh High School.....	1	..
Aurora School.....	1	..	Hyde Park High School.....	8	2	Oswego High School.....	..	1
Baltimore Female High School.....	..	1	Illinois College.....	1	..	Oswego Normal & Training Sch.....	..	1
Beloit College, Preparatory.....	3	..	Illinois State Normal School.....	1	..	Ottawa University.....	..	1
Bradford Academy.....	..	1	Illinois, University of.....	2	3	Packer Institute (Brooklyn, N.Y.).....	..	1
Brockport (N. Y.) State Nor. Sch.....	..	1	Indiana, University of.....	..	1	Peddie Institute, N. J.....	1	..
Buchtel College.....	1	..	Iowa College Academy.....	1	..	Pa. State Normal School.....	..	1
Buffalo Normal School.....	..	1	Iowa State Normal School.....	2	..	Parr Preparatory School.....	1	..
Burr & Burton Seminary.....	..	1	Iowa, University of.....	1	..	Peoria High School.....	1	..
Butler University.....	1	..	Jamestown High School.....	1	..	Pennington Seminary (N. J.).....	..	1
California College.....	..	1	Jennings Seminary.....	1	..	Phillips Academy (Andover).....	2	..
Canton, Miss.....	..	1	Kalamazoo College.....	1	..	Phillips Exeter Academy.....	1	..
Carleton College.....	2	..	Kemper Hall.....	1	..	Plainfield High School.....	..	1
Cedar Rapids (Iowa) High School.....	..	1	Kentucky University.....	2	..	Plano High School.....	..	1
Cedar Valley Seminary.....	1	1	Kenyon Military Academy.....	1	..	Pontiac High School.....	..	2
Chauncey Hall School.....	1	1	Kimball Union Academy.....	..	1	Porter (Miss) School.....	..	1
Chautauqua Coll. of Lib. Arts.....	..	1	Kirkland School, Chicago.....	..	1	Potsdam State Normal School.....	..	1
Chicago Academy.....	4	..	Lake Erie Seminary.....	1	..	Princeton High School.....	..	1
Chicago College of Pharmacy.....	..	1	Lake Forest Academy.....	2	..	Private Instruction.....	..	2
Chicago High School West Div.....	9	2	Lake Forest College.....	2	..	Proseminary (Elmhurst).....	..	1
Chicago High School North Div.....	6	1	Lake Forest University.....	1	..	Racine Academy.....	1	..
Chicago High School (N. W. Div.).....	1	..	Lake High School.....	3	..	Rochester, University of.....	1	..
Chicago High School South Div.....	13	1	Landshut (Germany).....	..	1	Rockford Seminary.....	..	1
Chicago Institute of Technology.....	..	1	Real Gymnasium.....	1	..	St. Catherine's Hall.....	1	..
Chicago Manual Training School.....	1	..	Lawrenceville.....	1	..	St. Joseph High School.....	..	1
Chicago South Side School.....	19	1	Leroy Union School.....	1	..	St. Lawrence University (N.Y.).....	..	1
Christian University.....	1	1	Lupton (Miss) School.....	1	..	St. Louis High School.....	1	..
Coe College.....	1	1	Lyons High School.....	1	..	Saratoga High School.....	1	..
Colby Academy (N. H.).....	..	1	MacDonald Ellis School.....	1	..	Sauk Centre High School.....	1	..
Colby University.....	1	..	Maine Wesleyan College.....	1	..	Sidney High School.....	..	2
Colorado College.....	1	..	Meriden High School.....	1	..	Simpeon College.....	1	..
Columbian College.....	1	..	Michigan, University of.....	4	2	Smith College.....	4	..
Cook Academy.....	1	..	Millersburg Female Seminary.....	1	..	South Dakota, University of.....	..	1
Cook County Normal School.....	..	2	Missouri State Normal School.....	1	..	South Kansas Academy.....	1	..
Cornell College.....	2	..	Monmouth College.....	1	..	Springfield High School.....	2	..
Cornell University.....	1	..	Monticello Seminary.....	1	..	Stillport (Girls) Seminary.....	..	1
Decatur High School.....	1	..	Morgan (The) School.....	1	..	Syracuse University.....	..	1
Drury College.....	1	..	Morgan Park Academy.....	32	2	Taganrog Gymnasium (Russia).....	1	..
Elgin High School.....	1	..	Morgantown High School.....	1	..	Tillston Institute (Austin).....	..	1
Emporia (Kansas), College of.....	1	..	Mt. Hermon School.....	1	1	Temple College (Philadelphia).....	..	2
Englewood High School.....	8	1	(Northfield Mass.).....	..	2	University School (Chicago).....	1	..
Evansville Classical School.....	1	..	Mt. Holyoke College.....	2	..	Vassar College.....	4	1
Evanston High School.....	2	..	Mt. Holyoke Seminary.....	..	2	Washburn College.....	1	..
Ferry Hall (Lake Forest).....	4	..	Mt. Morris College.....	1	..	(Topeka, Kansas).....	..	1
Fargo College.....	1	..	Mt. Vernon Seminary.....	..	..	Wayland Academy.....	1	1
France & Sarbonne, (College of).....	..	1	(Washington, D. C.).....	..	..	Wellesley College.....	5	..
Gannett Institute.....	..	1	Nebraska State Normal School.....	1	..	Wells College.....	1	..
Genesee Collegiate Institute.....	..	1	New York, College of the City of.....	2	..	Western Normal College.....	1	1
Girl's Classical Sch., Indianapolis.....	1	..	New York State Normal School.....	1	..	Wheaton Seminary.....	..	1
Hannibal High School.....	1	..	Northern Illinois College.....	5	2	Williamette University.....	1	..
Hanover College.....	1	..	Northwestern University.....	1	..	Williams College.....	2	..
Harvard School.....	5	..	Norwich Normal School.....	1	..	Williamsport High School.....	1	..
Hedding College.....	1	..	Notre Dame, University of.....	1	..	Wisconsin, University of.....	2	..
Henderson High School.....	1	..	Oakland High School.....	1	..	Worcester Academy.....	1	..
Herrig (Miss) School.....	..	1	Oberlin College.....	2	..	Worcester University.....	1	..

STATES AND COUNTRIES
FROM WHICH THE STUDENTS HAVE COME.

States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
Alabama	1	..	..	..	..	1
Arkansas .....	..	..	..	1	..	1
California	3	1	..	3	3	11
Colorado	1	..	3	..	1	5
Connecticut	1	1	1	1	1	6
Florida .....	..	..	1	..	..	1
Illinois	85	22	172	49	47	376
Indiana	15	..	5	2	7	29
Iowa	10	3	8	2	11	37
Kansas	4	2	5	1	6	19
Kentucky	1	..	3	..	1	5
Maine	7	..	1	..	2	9
Maryland	2	..	..	..	..	2
Massachusetts	9	..	1	3	2	15
Michigan	11	1	1	2	2	18
Minnesota	10	..	4	2	9	25
Missouri	6	2	3	3	7	24
Montana .....	..	..	1	..	..	1
Nebraska	5	..	2	2	6	15
New Jersey	3	..	2	2	1	8
New Mexico .....	..	..	1	..	1	2
New York	17	5	9	8	11	55
North Carolina	5	..	..	..	1	6
North Dakota	2	..	..	..	1	3
Ohio	15	4	7	1	8	39
Oregon	1	..	1	..	..	2
Pennsylvania	10	2	3	5	6	28
Rhode Island .....	..	..	..	1	1	2

States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
South Carolina	2	..	..	..	2	4
South Dakota	1	1	..	3	1	7
Tennessee	2	..	2	..	..	4
Texas	2	..	..	1	..	3
Vermont .....	..	..	..	1	..	1
Virginia .....	..	..	..	..	1	1
Washington .....	..	..	..	1	2	3
West Virginia	2	..	..	..	2	4
Wisconsin	10	4	7	2	..	27
District of Columbia ..	1	..	..	..	..	1

Countries.						
Austria	1	..	..	..	..	1
Canada	7	..	1	..	7	15
Denmark .....	..	..	..	..	2	2
England	3	..	..	..	5	8
Germany	1	..	1	..	..	2
Hungary .....	..	..	..	..	..	..
Japan .....	..	..	1	..	..	1
Mexico .....	..	..	..	..	1	1
Norway .....	..	..	..	..	6	6
Persia .....	..	..	..	..	1	1
Rumania .....	..	..	..	..	2	2
Russia .....	..	..	1	..	..	1
Sweden .....	..	..	..	..	1	1
Trinidad, B. W. I. ....	..	..	..	..	..	..
Total	259	48	247	96	168	848

ADDITIONAL REMARKS.

THE GRADUATE SCHOOL.

The Fellowships of the Graduate School were distributed as follows:

Senior Fellowships	16
Junior Fellowships	23
Honorary Fellowships	26
Special Fellowships	7
Persons holding Fellowship the first year ..	49

Persons holding Fellowship the second year - 24

Residents of Southern States	2
Residents of Eastern States	12
Residents of Middle States	17
Residents of Western States	38
Residents of Foreign Countries	4

THE COLLEGES.

Of the 249 students in the Academic Colleges, 120 were in the College of Arts, 89 in the College of Literature, 39 in the College of Science.

Of the 48 students in the University Colleges, 26 were in the College of Arts, 13 in the College of Literature, 9 in the College of Science.

Of the 249 students in the Academic Colleges, 99 were residents of the University Houses.

Of the 48 students in the University Colleges, 13 were residents of University Houses.

207 students presented themselves at the entrance examinations held in March. Of these, 101 presented themselves at the University, 46 at the Morgan Park Academy, 27 at the Chicago Academy, 17 at the Kenwood Institute, 9 at La Grange, Ill., 7 at Aurora, Ill. Of these, 14 were admitted to the Academic Colleges.

The total number of absences recorded in the Academic Colleges for the Quarter, was 2,152, being an average of 6.1 absences to each student in attendance.

THE UNCLASSIFIED STUDENTS.

Number of Academic College courses taken by Unclassified Students, 28; number of University College courses, 27; number of Graduate School courses, 8.

Course registrations of Unclassified Students in the Academic Colleges, 125; in the University Colleges, 81; in the Graduate School, 12. Total, 213.

Of 95 students 35 were residents of the University Houses.

General purpose of Unclassified Students. About 30 per cent. are working into regular standing in the University; 50 per cent. are studying for advancement

in teaching and in semi-professional employments. The remainder are studying for a general education.

The Unclassified Students have, in a majority of cases, come from other institutions. They represent: 22 colleges and universities; 30 academies and seminaries; 19 high schools; 12 normal schools; 1 institution of Technology, and only 12 received private instruction previous to their entering the University. In all 64 institutions are represented.

Physical Culture and Athletics.

THE GYMNASIUM.

MEN'S DEPARTMENT.

Five classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate School, 8; University Colleges, 16; Academic Colleges, 85; Divinity School, 26; Unclassified students, 5; Graduate and Divinity Students working independently, 20; number practicing base-ball, 26; number practicing foot-ball, 8; number practicing track athletics, 42.

Total, 236.

WOMEN'S DEPARTMENT.

Four classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate School, 5; University Colleges, 9; Academic Colleges, 78; Special, 13; Divinity School, 1.

Total, 106.

Number of women examined and measured (first measures), 24; (second and third measures), 3.

Total, 27.

ATHLETICS.

The athletic work of the University has been under the direction of the Department of Physical Culture. Thus far it is organized under the following heads: Football, baseball, track athletics, tennis, and basket ball. During the Winter Quarter of 1893-94, the athletic work has been largely centered upon baseball, basket ball, and tennis.

Three Basket Ball Teams were organized and games were played as follows:

'96 vs. '97, Jan. 23.....	0-0
Beecher vs. Residents, Feb. 12.....	3-2
Beecher vs. Non-Residents, Feb. 16.....	6-0
Residents vs. Non-Residents, Mar. 10.....	2-6

BASKET BALL.

The record of the University team for the Winter Quarter of 1894, is as follows:

Jan. 27. University vs. Y. M. C. A. Training School.....	19-11
Feb. 1. University vs. Y. M. C. A. Training School.....	17-11
Feb. 10. University vs. Morgan Park Academy.....	20-11
Feb. 17. University vs. Pullman Y. M. C. A.....	22-6
Mar. 3. University vs. Central Department Y. M. C. A.....	13-15
Mar. 10. University vs. Morgan Park Academy.....	10-8
Mar. 12. University vs. Englewood Y. M. C. A.....	20-17

TRACK ATHLETICS.

Several public contests were held in the gymnasium on Saturday afternoons during the quarter. The best

records were made as follows (no time was kept of the races):

1 Mile run—Holloway.
1/4 Mile run—Sherman.
1/8 Mile run—Laning.
1 Lap run—Lamay.
1 Mile walk—Sincere.

Running high jump—Laning—5 ft. 4 in.
Running broad jump—Church—18 ft. 5 in.
Shot put—Knapp—29 ft. 10 in.
Pole vault—Ramsey } 8 ft. 5 in.
 Laning }
Running high kick—Laning—8 ft. 7 in.
Running double kick—Ramsey—6 ft. 10 in.

BASE BALL.

Twenty-six candidates for the nine have worked in the gymnasiums daily, with the exception of Saturday, to perfect themselves in ground-work, batting, base-sliding, etc.

TENNIS.

A *Prize Tournament* was held during the month of March, 1894. Thirty men entered in singles and doubles. First prize in singles was won by W. H. Prescott; second place by Torrey. First prize in doubles was won by C. B. Neel and W. H. Prescott. The winners of the tournament received silver cups, suitably engraved, as trophies.

The Official and Semi-Official Organizations.

THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

WINTER MEETING, FEBRUARY 9, 1894.
Theatre, Kent Chemical Laboratory.

PAPERS:

The Significance of Sacrifice.

J. A. WARD.

(Exegetical Club).

The Latin-American Republics.

ELIZABETH WALLACE.

(History and Political Science Club).

The Exodus: A Study in Biblical Criticism.

T. G. SOARES.

(Semitic Club).

THE PHILOLOGICAL SOCIETY.

Organized January 15, 1893, held two public meetings on January 19, and March 2, 1894, at 8 P.M., Room B 8, Cobb Lecture Hall. The following papers were read:

Seneca's Influence upon the Development of the Modern Drama.

DR. H. SCHMIDT-WARTENBERG.

Vocalis + n + Guttural as affected by Verner's Law.

F. A. WOOD.

Philosophy of Stress.

PROFESSOR GEORGE HEMPL,
(Of the University of Michigan).

THE DEPARTMENTAL CLUBS.

JANUARY-MARCH.

Papers presented before

THE BIOLOGICAL CLUB.

The Mechanism of Protoplasmic Movement.
(The Aster and Centrosome).

DR. S. WATASE'. Jan. 3.

The Mechanism of Protoplasmic Movement.
(The Origin of Cilia).

DR. S. WATASE'. Jan. 17.

On the Nature of Cell-Organization.

DR. S. WATASE'. Feb. 14.

On the Metamerism of the Medullary Folds and the Embryonic Rim.

MR. WM. A. LOOY. Feb. 28.

THE CHEMICAL CLUB.

Membership is limited to those taking part in Chemical Journal Meetings. Two papers, either on recent chemical researches or on older classical work, have been presented regularly every week during the Autumn Quarter, on Fridays from 8:00 to 10:00 P.M. The titles of papers have been regularly announced in the WEEKLY BULLETIN. The results of original investigations carried on in the Kent Chemical Laboratory are not presented at these meetings, but appear regularly in the chemical journals here and abroad.

The following are the main papers presented to the club:

On the Benzhydroxanic Acids.

DR. STIEGLITZ. Jan. 19.

On the Optically Isomeric Glyceric Acids.

MR. CHESNUT. Jan. 19.

Molecular Weight-Determinations by Surface Tension.

DR. LENGFELD. Feb. 9.

Chemical Actions at High Temperatures.

MR. SWARTZ. Feb. 9.

On some Carbon Monoxide.

MR. MITCHELL. Feb. 23.

On Chloride of Nitrogen.

MR. GOODELL. Feb. 23.

The Nature of the Polybasic Acids.

MR. HESSE. Mar. 16.

The Isolation of the Organic Radicals.

MR. SMITH. Mar. 16.

THE CHURCH HISTORY CLUB.

Exposition of Matthew, 28:19.

ASSISTANT PROFESSOR OLIVER J. THATCHER. Jan. 4.

Presbyterianism, its Biblical Basis and the Resemblance to the Civil Polity of the United States.

REV. CARLOS MARTYN, D.D. Jan. 23.

Historic Basis of the Reformed Episcopal Church.

BISHOP C. E. CHENEY, D.D. Feb. 6.

Review of Catholicism in Europe.

HEAD PROFESSOR W. I. KNAPP. Feb. 20.

Reunion of Christendom. A discussion.

Mar. 6.

THE CLASSICAL CLUB.

Lord Elgin's Pursuits in Greece.

ASSOCIATE PROFESSOR F. B. TARBELL.

The American School of Classical Studies at Athens.

ASSOCIATE PROFESSOR F. B. TARBELL. Jan. 26.

(Account of the status and work of the school from its foundation in 1882 till the present time).

The New Sophistic.

EMILY J. SMITH. Feb. 23.

"Emphasis by Repetition."

ASSOCIATE PROFESSOR F. F. ABBOTT. Mar. 16.

THE ENGLISH CLUB.

Milton's Treatment of Nature.

VERNON P. SQUIRES. Jan. 22.

The English Lakes (illustrated).

MYRA REYNOLDS. Feb. 20.

Studies in English Tone-Color.

S. H. CLARK. Mar. 13.

THE EXEGETICAL CLUB.

Sacrifice Among the Savage Peoples.

J. H. GRANT. Jan. 30.

Semitic Sacrifice.

A. R. E. WYANT. Feb. 13.

Patriarchal or Pre-Mosaic Sacrifice.

B. KINNEY. Feb. 27.

Vicarious Sacrifice.

A. O. STEVENS. Mar. 13.

The Teaching of Christ and Paul Concerning Sacrifice.

L. W. OSBORN. Mar. 20.

THE GEOLOGICAL CLUB.

Geology of Carmeto Bay: A. C. Lawson and Juan de la Pasada. Review by

CHARLES H. GORDON.

Relations of the Laurentian and Huronian Rocks north of Lake Huron: A. E. Barlow.

The Archean Rocks west of Lake Superior: W. H. Smith.

The Laurentian of the Ottawa District: R. W. Ellis. Review by

PROFESSOR C. R. VAN HISE. Jan. 9.

Geographical Distribution as Related to Glacial Agencies in the Iowa and Nebraska Regions.

W. E. TAYLOR.

The Limits between Geology and Physical Geography: C. R. Markham. Review by

JOHN A. BOWNOCKER.

Structural Characteristics of Triarthrus Becki: C. E. Beecher and W. D. Matthews. Review by

DR. E. C. QUEREAU. Jan. 23.

Origin of the Kames, Eskers, and Moraines of the North American Ice Sheet: Warren Upham. Review by

E. C. PERISHO.

The Canadian Ice Sheet: J. W. Dawson. Review by

HEAD PROFESSOR T. C. CHAMBERLAIN.

Post-Pliocene Diastrophism of the Coast of California: A. C. Lawson. Review by

PROFESSOR R. D. SALISBURY. Feb. 6.

The Amount of Glacial Erosion in the Finger Lake Region: D. F. Lincoln.

Review by HENRY B. KÜMMEL.

The Iron Hill Boulder Train: N. S. Shaler. Review by

IRA M. BUELL.

Geological Structure of the East End of Lake Geneva: Dr. Schardt. Review by

DR. E. C. QUEREAU. Feb. 20.

Pre-Glacial course of Rocky River: D. T. Gould. Review by

HENRY C. COWLES.

Revival of Antarctic Explorations: John Murray. Review by

G. N. KNAPP. Mar. 6.

Professor Sorby's Presidential Address before the Geological Society of England. Review by

T. C. HOPKINS.

Vertebrate Paleontology at the World's Fair:

John Eyerman. Review by

DR. O. P. HAY.

A New Cycad: T. H. Macbride. Review by

C. H. GORDON. Mar. 20.

THE GERMANIC CLUB.*Prometheus as treated by Æschylus, Shelley, and Goethe.*

MARY E. SCARFF.

The Origin of the Ring Story in Nathan der Weise.

LULU McCAFFERTY. Jan. 8.

The Origin of the Germinated Explosives in German.

PAUL OSCAR KERN.

Stiller's "Goethe's Entwürfe zu Faust."

GEO. A. MÜLFINGER. Jan. 15.

Lessing's Templar.

LOUIS SASS.

Genesis of Lessing's Nathan der Weise.

MARY E. SCARFF. Jan. 22

Review of M. Rieger's "Goethe's Faust nach seinem religiösen Inhalt."

WM. RULLKOETTER.

The Influence of Verner's Law on the Weak Verb in Gothic.

FRANCIS A. WOOD. Jan. 29.

Discussion of an Elementary Book for learning German.

ASSISTANT PROFESSOR STARR W. CUTTING.

Kuno Fischer's View of Mephistopheles.

JULIA M. KORSMEYER. Feb. 5.

Noun-Inflection in Germanic (I).

DR. H. SCHMIDT-WARTENBERG.

Die Entstehung des umschriebenen Perfekts.

PAUL OSCAR KERN. Feb. 19.

Noun-Inflection in Germanic (II).

DR. H. SCHMIDT-WARTENBERG.

Johannes Schmidt's Wave Theory.

JESSIE LOUISE JONES. Feb. 26.

Noun-Inflection in Germanic (III).

DR. H. SCHMIDT-WARTENBERG.

Noun-Inflection in Germanic (IV).

DR. H. SCHMIDT-WARTENBERG. Mar. 12.

Besides the above, Journal Reports have also been given.

THE LATIN CLUB.*Themes from Horace.*

MISS FOSTER.

MISS BARRETT.

MR. GRAVES.

MR. MITCHELL.

MR. MOFFATT. Jan. 27.

The Influence of Horace upon English Literature.

MR. EDWIN H. LEWIS. Feb. 24.

THE MATHEMATICAL CLUB.*Cantor on the Existence of Transcendental Numbers.*

PROFESSOR OSKAR BOLZA. Jan. 5.

Hölder's Proof that the Gamma-Function Satisfies no Algebraic Differential Equation.

PROFESSOR E. HASTINGS MOORE. Jan. 19.

A Theorem of Runge in the Theory of Functions.

MR. HERBERT E. SLAUGHT. Feb. 2.

The Canonical Coordinates of Hamilton—Jacobi in the Differential Equations of the Problem of Three Bodies.

DR. KURT LAVES. Feb. 16.

The Singularities of Surfaces (with illustrations from the models of the department).

ASSISTANT PROFESSOR MASCHKE. Mar. 2.

Kummer's 16-nodal Quartic Surface.

MR. J. ARCHY SMITH. Mar. 16.

A new transcendently transcendental Function.

PROFESSOR E. HASTINGS MOORE. Mar. 16.

THE NEW TESTAMENT CLUB.*Psalms of Solomon.*

C. E. WOODRUFF. Jan. 10.

Christ's Self-designation, "The Son of Man."

A. O. STEVENS. Mar. 21.

In addition, this Club has held Journal Meetings on alternate Wednesdays at 8:00 P.M.

THE PALÆONTOLOGICAL CLUB.*A Review of the Oreodontidae.*

M. S. FARR. Jan. 22.

The Morphology of the Vertebral Column of the Teleostomi, the Amphibia, and the Amniota.

D. O. P. HAY. Feb. 5.

The Phylogeny of the Australian Fauna.

ASSISTANT PROFESSOR GEORGE BAUR.

Dr. Baur gave a review of Professor Haeckel's paper on the Phylogeny of the Australian Fauna.

A Review of Dr. Lortet's paper on Fossil Reptiles.

ASSISTANT PROFESSOR GEORGE BAUR.

A review, with critical remarks, was given of Dr. L. Lortet's work, "Les Reptiles Fossiles du Bassin du Rhône." (Arch. du Museum d'Hist. Nat. de Lyon, vol. V, pp. 139, 12 pl. Lyon, 1892).

THE POLITICAL ECONOMY CLUB.

Social Conditions in San Domingo and Hayti.

HEAD PROFESSOR J. LAWRENCE LAUGHLIN. Feb. 8.

Pooling.

MR. JAMES PEABODY, Editor of the *Railway Review*. Mar. 1.

THE POLITICAL SCIENCE AND HISTORY CLUB.

Tammany Hall.

PROFESSOR H. P. JUDSON. Jan. 10.

Debate. Resolved: That the thirteen states were political sovereignties from the independence from Great Britain to the adoption of the Constitution.

Affirmative.—W. C. WILCOX,
H. W. OGDEN.

Negative.—R. CATERALL,
J. W. THOMPSON. Jan. 24.

The Latin-American Republics.

MISS E. WALLACE. Jan. 31.

Evolution of our System of Establishing and Admitting New States.

G. W. ALDEN. Feb. 14.

Fugitive Slaves and the Underground Railway.

W. S. DAVIS. Feb. 28.

The Russian-American Extradition Treaty.

DR. ISAAC HOURWICH. Mar. 14.

THE SEMITIC CLUB.

Hebrew Riddles; the Evolution of the Old Testament.

DR. EMIL G. HIRSCH. Jan. 11.

Objections to the Wellhausen Hypothesis.

DR. WILLIAM R. HARPER. Feb. 1.

Some Characteristics of Assyrian Letters.

GEORGE R. BERRY. Feb. 15.

The Date and Authorship of Micah.

DR. CHARLES F. KENT. Mar. 1.

The Hydrography of Palestine.

DEAN A. WALKER. Mar. 22.

THE SOCIAL SCIENCE CLUB.

Address.

MR. JOHN J. MCGRATH. Jan. 22.

President of the Trades and Labor Assembly.

Debate. Resolved: That private property in land is ethically justifiable.

Affirmative.—MR. JOHNSON,
MR. KIRKPATRICK.

Negative.—MR. ATKINSON,
MR. MOORE. Jan. 29.

Journal Meeting.

Debate. Resolved: That wealth is the most efficient motive to action.

Affirmative.—MR. HASTINGS,
MR. HOWERTH.

Negative.—MR. BOYD,
MR. MEAD. Feb. 12.

The Civic Federation of Chicago.

HEAD PROFESSOR A. W. SMALL. Feb. 26.

Debate. Resolved: That de Greef's analysis of the social consciousness is fundamentally correct.

Affirmative.—MR. MEAD,
MR. JOHNSON,
MR. HOWETH.

Negative.—MR. HASTINGS,
MR. FULLOMER,
MR. BOYD. Mar. 12.

The Social Ministry of the Church.

PROFESSOR GRAHAM TAYLOR, Mar. 19
McCormick Theological Seminary.

THE COMPARATIVE RELIGION CLUB.

Exhibition and Explanation of Objects used in Jewish Worship.

ASSISTANT PROFESSOR FREDERICK STAER. Jan. 16.

Religion and Customs on the Congo, with exhibition of Cultus articles.

MR. JAMES BLAKE.

The Tao-te-King and its teachings compared with the Bible.

MESSRS. A. O. STEVENS AND A. A. WOOD. Mar. 19.

THE PHILOSOPHICAL CLUB.

Is there a Science of Psychology?

PROFESSOR SHOREY. Mar. 5.

ABSTRACT OF PAPERS.

Read before the University Union, the Philological Society, and the Departmental Clubs.

THE SIGNIFICANCE OF SACRIFICE.

J. A. WARD.

Sacrifice, as an historical fact, is well nigh universal. Its significance can be determined only by an inductive study of the custom wherever prevalent. Under present limitations we must narrow our range to a few observations (1) among primitive peoples generally, (2) among the Hebrews, and (3) in the Christian system.

In natural religions a god is united to a definite group of worshipers, mainly tribal or national. The gods were habitually approached with gifts. Gods and men ate together the sacrificial feast. Thus the privilege of communion was the benefit accruing to the offerer. As to purpose, sacrifices were either honorific or piacular. The honorific offerings seem to have been regarded as tributes to the gods of the good things they had given to the inhabitants of their land. Among all primitive peoples certain offenses were considered inexpiable, and the offender must either die or lose his place in the kin or clan to which he belonged. If the god appeared offended, guilt was implied. If the offender could not be found or could not be spared, the worshippers, as a whole, bore the guilt until they or he found a substitute. Thus the idea of substitution is widespread through all early religions; but I do not find a vicarious significance attaching to those substitutes. From the characteristics of sacrifice observed among primitive peoples generally, three points of significance seem clear: (1) that sacrifices are an essential means of approach to a deity, (2) that they have a salutary effect on the deity, and (3) that they make reparation for interrupted relations to the deity.

Turning to the Old Testament sacrifices, we seek to know only what those sacrifices signified to the offerers. The biblical record of sacrifice begins with the offerings brought by Cain and Abel, not in obedience to command, but voluntarily. Their purpose in so doing is not stated, but gratitude is naturally inferred. The divine preference was due to the attitude of the offerers and not to their gifts in themselves. The materials required in the Mosaic sacrifices were the best products of man's genius and labor. Self-denial is thus significantly at the bottom of them. The trespass-offerings and the sin-offerings were understood to restore the covenant relations interrupted by transgression, such transgression and restoration affecting directly and primarily the relation of the offerer to the theocratic body. The sin-offering alone made atonement for the sinner's soul, by covering or cleansing away his guilt.

The two fundamental ideas revealed in the Mosaic system are self-denial, and fellowship of God and men. These are found to be also the fundamental features of the new covenant as perfected and actualized in the life and death of Jesus Christ. New Testament writers make frequent reference to Christ in sacrificial terms, many of which are explained by their connection, and many, plainly figurative allusions to the Mosaic system. The significance of sacrifice in the new covenant must be interpreted in the light of its true significance in the old.

THE LATIN-AMERICAN REPUBLICS.

ELIZABETH WALLACE.

The Latin-American Republics, like the buildings which represented them in the World's Columbian Exposition are characterized by certain striking traits, by a boldness of outline,

by a vividness of color that attract the attention. The Latin-Americans may be broadly divided into two great classes, those who think and lead, and those who neither think nor act, but simply exist. The origin of this division is found in the peculiar history of the country, its conquest, its colonization, and its constitutional development.

Politics and finance move together in the Latin-American Republics because the people have a mania for gambling, and because they regard politics as a means for gaining wealth. This double tendency has been illustrated in the events of Argentine history during the last thirteen years.

The frequency of revolutions is partly explained by two facts, the utter lack of unity and co-operation between the several provinces of a republic, and the selfish ambition of a man, or a set of men. These causes have been clearly marked in Brazilian history during the last four years. But there is a future for Latin-America; the restlessness and disquiet are but a sign of growth. The republics are in the stage of youth yet, and do not know exactly what they want; they only know they want to be moving. The age of the wise men and the thinking men is coming; already there have been forerunners. It is in them that the hope of the country lies, whatever be the form of government.

THE EXODUS.—A STUDY IN BIBLICAL CRITICISM.

THEO. G. SOARES.

The appropriateness of the Exodus as an illustrative study in biblical criticism:

1. The importance of the event in the history of Israel.
2. The character of the narrative demands the application of all the principles of criticism.

Discussion of the documentary sources of the narrative. Two theories: (1) Moses the author. What historical basis for the tradition? (2) Three different authors. What historical basis for the tradition?

Discussion of the miracle of the Exodus. (1) Reasons for accepting the miraculous in general. (2) Older view of this miracle as held by commentators. (3) More rational view of the miracle. (4) Accordance of the miracle, on this latter view, with the canons: (a) That a miracle be of a dignified and lofty character: (b) That a miracle have a sufficient purpose, and attain an adequate result.

External evidence for the Exodus. (1) In general, unsatisfactory. (2) Possible evidence discussed: (a) Occurrence of *Aperiu* on the monuments; (b) Mention of the *Khabiri* in the Tell-el-Amarna Tablets; (c) Manetho's account as contained in Josephus, "*Against Apion*."

The historical character of the Exodus. (1) Extreme view represented by advanced critics, illustrated by quotations from Professor Toy. (2) Objections to this view, and argument in favor of a view substantially accepting the Hebrew tradition.

Reconstruction of the history. (1) The date of the Exodus. Ramses II., the Pharaoh of the oppression, and Meneptah, the Pharaoh of the Exodus. (2) The condition of Egypt under the XIX Dynasty. (3) Israel's place in Egyptian history. (4) The possibility of the Exodus: (a) As a result of the decline of the Egyptian power; (b) As part of a general movement of the subject Semitic tribes.

Conclusion: (1) The Exodus as an outgrowth of the history of the times. (2) The Exodus as a factor in the history of the times. (3) The Exodus as illustrative of the peculiar character of Hebrew history, in its exhibition of Divine direction, and in its religious significance.

DEVELOPMENT OF VOWEL + N + GUTTURAL IN TEUTONIC.

FRANCIS A. WOOD.

The paper sought to give the history of the development in the several Teutonic languages of vowel + n + guttural as affected by Verner's law. This would apply to the Indo-European combinations *ank*, *enk*, etc. In accordance with the first Lautverschiebung these would become *anh*, *inh*, etc. Where the accent was immediately before the *h*, the forms given would develop to *sh*, *ih*, otherwise to *ang*, *ing*. In the inflections, especially of the verb, there would arise, in consequence of the shifting of accent, an interchange of *h* and *ng*. By reason of later leveling, Gothic favored *h*, the other Teutonic languages *ng*.

Sievers' theory (cf Gram. § 45, 5) that the nasalized vowel continued into the separate dialect life was discussed, and other reasons were adduced for supposing this to have been the case in the combination *inh*.

SENECA'S INFLUENCE ON THE DEVELOPMENT OF THE MODERN DRAMA.

H. SCHMIDT-WARTENBERG.

Recent investigations have corroborated the long current fact that the early dramatists of modern nations sought their models in Latin, not Greek, literature: Seneca for tragedy, Plautus and Terence for comedy. This admits of a simple explanation: the affinity of language among the Romance nations. Here, as well as in other European countries, the Church, besides, used Latin as the language of service and intercommunication. Greek was neglected by the clergy (cf the many passages in Ascham's *Schoolmaster*, that bear on the question). The difficulty of printing Greek type was another factor contributing to the spread of Latin literature before Greek could get a firm foothold.

The attitude of the Church towards Seneca was not hostile as it was in the case of the Latin comedians, especially Plautus. Seneca belonged to the Stoics and his writings are tinged with Christian thought. During the Middle Ages his connection with the Church was not doubted.

Outside of Italy Seneca's tragedies were not known up to the thirteenth century. Notker, in his paraphrase of Boetius *de consolations*, is a trustworthy witness so far as Germany is concerned. Johannes Anglicus (ca. 1280 A.D.): *unica vero tragoedia scripta fuit ab Ovidio apud Latinos*, etc. In England Nicolaus Trivet (ca. 1300) is the first, as far as we know, to call attention to the Roman tragedian, without apparent result. It is in Italy that we have to look for the first traces of an influence of Seneca. Eugenius Vulgaris (ca. 1000 A.D.) has been proven by Peiper to be his follower. One of the greatest scholars of the twelfth century, Johannes Saresberiensis, mentions only Terence. A century later the study of Seneca seems to have been revived, as we may infer from the *speculum historiale* of Vincentius Bellovacensis (ca. 1250). Dante is acquainted with Seneca (*Octavia*, 1317).

Seneca's prose writings were translated, and also printed, first; Provençal Ms., 1313. The art of printing was introduced into Italy in 1464. As early as 1475 the *opera omnia* appeared in

Naples. Most of the early editions of the tragedies appeared in France and Italy: the first, 1484, at Ferrara; 1485, at Paris; 1491, at Lyons. Twenty known editions up to 1581 were published in Venice, Florence, and Paris.

Albertino Mussato (1262-1329 A.D.) follows Seneca in almost every detail in his *Eccerinis* written in Latin: iambic trimeters, the number of actors 3; five acts. He differs from him by discarding the unity of time and place, which Seneca mostly preserves, and the unity of action. *Thyestes*, the play most appreciated in the Middle Ages, is used for the main part of the drama. Some passages are reminiscences from *Phaedra*; the last chorus is based on *Herc. Oct.* This eclectic way of drawing on the Roman tragedian—selecting and copying wherever the original is suggestive in ideas or helpful in descriptions—is characteristic of all the less independent imitators. A little later Antonio Losco wrote *Achilleis* (*Troades* and *Phaedra*). Corraro's *Progne* (*Medea*, Ovid), beginning of the fifteenth century. Leonardo Dato's *Hiempeal* (1431-47 A.D., dedicated to Pope Gregory IV.). Trissino in his *Sophonisba*, before 1515, the first regular tragedy, used Euripides. His contemporaries and successors were, however, admirers of the Latin drama. The diction of Rucellai's (ca. 1475) and Martelli's (ca. 1490) tragedies seems to be the result of a constant reading of Seneca. Ludovico Dolce's translations, between 1543 and 1566, were not the first ones; *Phaedra* and *Agamemnon* (*in vulgare*) in 1497. Hettore Nini translated all the tragedies, *in verso scioltto*, in 1522. Rappiani's *parafrasi: Troades* (1700), *Medea* (1702), *Agamemnon* (1708). Giraldo Cintio (1540) has the same high opinion of Seneca, as Scaliger in France and Sir Phil. Sidney in England (cf his *Discorsi*). Some of his plays were successful, as *e. g. Orbeche*; his *Epitia*, interesting for its resemblance to Whetstone's *Promus* and *Cassandra* (Shakespeare's *Measure for Measure*).

France, under Francis I., was ready to receive and promote the revival of ancient poetry. Italian artists, scholars, and actors found there a place for their talents. Buchanan gave the first stimulus for the imitation of Seneca in France by his *Jephthes* and *Baptista* (1540-43 A.D.), the former translated into German and printed in 1569. His successors are Antoine Muret, *Julius César* (in Latin, after Seneca); Jacques Grévin, *César* (1558). Du Bellay's *Manifesto* (1549) exerted a great influence. Jodelle's *Cleopâtre Captive* (1552) marks the birth of the classical French drama. The taste for Senecan tragedy was growing after Jean de la Peruse's *Médée* (1553). Garnier's tragedies (1568-83) show the culmination of the admiration for the Roman tragedian. The characteristics of Seneca's dramas are the lack of action, predominance of declamation, excessive use of rhetorical means to such an extent as to create reiterated stereotype figures of speech. This elocutionary effort captivated not only the critics, with the exception of Ascham, but the public at large; the innate feeling for form among the Romance nations encouraged this bias towards Seneca and suppressed the occasional imitations of the Greek drama. Interesting in this regard are the views of the Pléiade. Throughout the Middle Ages, during the times of Scaliger and Opitz, the *caedes*, *desperations*, *suspensio*, *exilia*, etc., were the subjects for dramatic art; Seneca furnished the vocabulary for the tragedies written in an age of bloodshed and atrocities. Even Corneille and Racine, at least in their first works, *Médée*, *Thébaïde*, *Phèdre*, betray this influence.

The development of the drama in the Teutonic countries undergoes the same process. Between 1559 and 1581 the Latin tragedies were translated in England. *Gorboduc* opens the series of imitations (1561). Between 1568 and 1580 fifty-two dramas were acted before the Queen; eighteen took their subjects from Greek and Roman history. *The Misfortunes of Arthur* (1571), *Tancred*

and *Gismonda*, Lord Brook's *Alaham and Mustapha* (reprinted in 1668), Daniel's *Cleopatra* (1590) and *Philotas*, Brandon's *Octavia* (1568) are Senecan in spirit and language. As to Shakespeare's acquaintance with Seneca, cf. *Hamlet*; also *Titus Andronicus*, *Julius Caesar*, *Macbeth*, and *King Lear*.

The Netherlands are very fertile in translations and editions; all the prominent scholars are admirers of Seneca: Erasmus, Lipsius, Daniel and Nicolaus Heinsius, Grotius. All dramatists: Hooft, Coster, De Klucht, and Vondel strongly reflect this tendency. The later influence of the French stage destroyed a further development.

Germany, too, has its full share in this movement. Editions are numerous. Opitz's dependence on the *Pléiade* accounts for his translation of *Troades*, Gryphius' *Carolus Stuardus*, *Catharina von Georgien*, *Leo Arminius*, and *Der Sterbende Papinian* are written under the influence of Heinsius and Vondel. Lohenstein also belongs to this school that reaches up to the times of Gottsched and Lessing.

THE PHILOSOPHY OF STRESS.

GEORGE HEMPL.

The placing of stress is dependent upon various factors, which may work in harmony or at cross-purposes; it is, therefore, at times impossible to say which of two or more likely causes may have been operative, or whether more than one may not have been. The factors are: (1) Tradition, (2) The state of mind of the speaker, (3) His consideration for the mind of the listener, (4) Analogy, (5) Rhythm and certain physical considerations. Tradition is the chief factor in word-stress; the state of mind of the speaker and his consideration for that of the listener, form the chief factors in sentence-stress; analogy and rhythm may be regarded as interfering elements.

Tradition. We generally stress a particular syllable of a word, and often a particular word in a sentence, because this accentuation is what we have always, or most frequently, heard. When, somewhere in the past, the usage was established, it must have been because of the working of one or more of the very factors that are still exerting their influence; but in the meantime other elements of the language may have so shifted that the effect of these forces is different today from what it once was. In the struggle that ensues, tradition generally holds its ground, particularly in the case of word-stress; but is not infrequently made to yield, especially in sentence-stress.

The State of Mind of the Speaker. That which lies uppermost in the mind of a man impels him to its expression more than what is in the background. The most primitive form of expression (still often heard in excited speech) is that in which only this uppermost idea, the psychological predicate,* is ex-

pressed (as when the child says, "Gone!" though he knows the name of the food he has eaten or of the person that has left the room); and in more developed forms of speech this still has chief stress. Consequently, words standing for ideas that are more or less in the mental background, and those words or parts of words that express what is vague or undefined, or what indicates only the relations between ideas, rarely have stress.

Consideration for the Mind of the Listener. The very effort to express one's self to another, often leads to the development of one's thought or brings into prominence or definiteness what had not been thought of, was in the mental background, or was but vaguely defined. In other words, what was psychological subject* may in the process of expression become psychological predicate, or a new psychological predicate may arise. Hence, if one realize, though faintly, that the mind of another is not prepared for the results of the train of thought that has been passing through his own mind, he may form or stress his sentence differently from what he otherwise would have done. The most primitive form of consideration for the mind of the listener consists in adding the psychological subject after the statement of the psychological predicate. (A child is looking out of the window and watching a cat toying with a dead mouse that has been thrown to it. Suddenly he calls out, "She's eating it!" simply referring to the psychological subjects by the purely grammatical words 'she' and 'it.' Then, turning to his mother, he may say again, "She's eating it," but soon adds: "the cat is; Mamma, she's eating the mouse; the cat's eating the mouse, Mamma.") Consciously to seek out in advance and emphasize those words that may be necessary to prepare the mind of the listener for the psychological predicate, generally requires some mental development and a mind free from passion. And yet even very young children readily adopt from older persons [Tradition] the habit of expressing the psychological subject before the psychological predicate and of giving it more or less stress.

Analogy, or Association of Idea or Form in the Mind of the Speaker. (a) Familiarity with the accentuation of the verbal expression of a certain idea may lead one to stress in a similar way the expression of a similar idea; (b) the mental association of a word with another of like form may lead one to stress it in the same way; and (c) for similar reasons, one is apt to stress any word that is contrasted with a stressed word.

Rhythm and certain Physical Conditions influencing Stress. (a) The prevailing rhythm of Modern English and Modern German is one with alternate strong and weak syllables. Occasionally there is more than one weak syllable between two strong ones, occasionally more than one strong syllable between two weak ones; but the trochaic or iambic character of most English and German prose is marked. Now, this rhythm often prevails where it would not be expected; which may be due to the analogy of adjoining syllables, or to one of the physical conditions stated in (b) and (c). The accentuation of a word or syllable is, therefore, not in all cases a fixed or uniform thing, but may be more or less modified by its position relative to other stressed or unstressed words or syllables. (Compare the stress of the word 'of' in (1) "I bought it of her," (2) "I bought it of a man," (3) "I bought it of Edward." And "Ich hatte etwas bei mir" with "Er sagte so etwas.") A pause is often made to separate two strong stresses, as in saying the abc or in counting. (We either pause between each heavy stress or reduce every alternate stress: one—two—three—four—etc., or one two, three four, five six, etc.)

(b) A stress is weakened when next a stronger one. After a stronger one, this is due to the fact that force, being expended, is wanting. But a stress may also be weakened before another, and that even if one or more unstressed syllables intervene: this is due to the natural tendency to economize force so long as

* a) A sentence involves the association of at least two ideas: the one first in mind is the psychological subject; the one that attaches itself to this is the psychological predicate. These may or may not coincide with the grammatical subj. and the grammatical pred. Thus, if John is in mind, and some action of his (say the killing of a cat) presents itself to the mind, John is the psy. (and gram.) subj. and killed the cat the psy. (and gram.) pred. But if the killing of the cat is in mind, and the question arises *Who did it?* then, in John killed the cat (= *It was John who did it*), killed the cat is the psy. subj., and John the psy. pred. If it is known that John has put something in the cellar, but not what, then, in John put the apples in the cellar, the psy. pred. is the apples. If it be asked where he put the apples, then in the cellar is the psy. pred.

b) Two persons may have the same idea in mind (it having been suggested by sight, by hearing, or otherwise); this is then psy. subj. to any predication either may make as to it. But what is psy. subj. to one person is often quite unknown to the other until formally stated. Moreover, I may betray by my action what is to me psy. pred.; it thus becomes psy. subj. to an observer, and when I state my psy. subj. it will be his psy. pred.

there is need of it. It often results in the change of equal stress into crescendo. ("This or THAT," and firm names like "Brown and CADY.") A word or syllable adjoining one with stress thus reduced, is apt to get a somewhat stronger stress, an alternate rhythm being thus established. ("Er ist sehr gut," but "Er ist ein sehr guter MANN;" "fifteen," but "fifteen men," "General;" but "General Moltke.")

(c) Even chief stress may be weakened to the advantage of a following secondary stress, provided that be succeeded by one or more syllables; and this is the more apt to happen the lighter the syllable upon which the chief stress originally rested, and the heavier and the more numerous the syllables following the syllable having what was originally the secondary stress. (*Leben dig*, but usually *not wendig*; *Karfrei tag*, but *Kar'woche*; *allmäch'tig*, but *All'macht*; *or'dinary*, but with the addition of another syllable often *ordinar'ily*; *leg'islate*, but *legisla'ture*; *in'terest*, but *interes'ting*.) The tendency is largely checked in modern British English by the strengthening of the chief stress to such an extent that the secondary is quite lost and often one of the unstressed syllables with it; *so or'din'arily*, *lit'rary*, *in't'resting*, the last being much taught in our schools and thus familiar to our ears.

The principles presented in the paper, together with their detailed application to German, will be published in Professor Hempl's forthcoming "German Orthography and Phonology."

EXPOSITION OF MATTHEW XXVIII:19.

OLIVER J. THATCHER.

The probability that this command was never given by Christ, or if given, not in this form, was based on the following arguments: (1) The Trinitarian formula was not used again in apostolic times, and only in rare instances until the second century; (2) the apostles did not obey the command, and (3) the apostle Paul was not sent to baptize, but to preach the gospel.

PRESBYTERIANISM: ITS BIBLICAL BASIS AND THE RESEMBLANCE OF ITS POLITY TO THE U. S. GOVERNMENT.

CARLOS MARTYN.

There is no scriptural basis for denominations. Characteristics of present leading denominations. Approval of generous rivalry. (1) The constitution of Mosaism; church and state co-terminous. Hebrew legislation anticipates modern improvements. Distinct features of Mosaism government: (a) Election of the rulers by the people, of the people, for the people. (b) Graded courts. (c) National union. (d) Written constitution. (e) Provision for national education.

(2) Presbyterianism and the civil politics of the United States. Points of likeness, minute and startling, were enumerated.

THE REFORMED EPISCOPAL CHURCH.

BISHOP C. E. CHENEY.

The paper was an historical sketch of the movement in America which drew certain parties of the Episcopal church of America, and eventually of England, out of the established church and into a separate organization with its own ministry. The doctrinal points involved were also explained, together with the controversy on certain readings of the prayer-book.

CATHOLICISM IN EUROPE.

HEAD PROFESSOR W. I. KNAPP.

The address was partly retrospective, dealing with the past crisis of European history within the memory of the speaker, which were connected with the religious problems of Europe,—and partly prophetic, outlining the results which will eventually be reached from the present complication of Catholic and Protestant elements in both Europe and America.

LORD ELGIN'S PURSUITS IN GREECE.

F. B. TARBELL.

The speaker described the work done in Greece in the years 1800-1812, at the expense and under the authority of Lord Elgin, who was British Ambassador at Constantinople in the years 1800-1802. The chief source of information, besides the testimony of Lord Elgin himself, his secretary, Wm. Hamilton, and the chaplain of the Embassy, Dr. Philip Hunt, are the Travels of Dodwell, Clarke, Hobhouse, Hughes and Choiseul-Gouffier. By an outlay of £51,000 from his private fortune, Lord Elgin secured some important drawings and casts, and the pieces of architecture and sculpture, chiefly from the Acropolis of Athens, which go under the name of the Elgin Marbles. The entire collection was bought by the British Government in 1816, for £35,000. The speaker showed that Lord Elgin's enterprise was, for the most part, justifiable under the circumstances of the period.

THE NEW SOPHISTIC.

R. J. SMITH.

An outline of the methods and etiquette of the second century sophistic, with some account of Herodes Atticus and Dion Chrysostom as types of its two chief aspects.

REPETITION IN LATIN TO SECURE EMPHASIS AND DISTINCTNESS OF IMPRESSION.

F. F. ABBOTT.

The forms of repetition which are used within a sentence to secure emphasis or distinctness of impression may be classified under three heads. An idea may be enforced (1) by gemination, (2) by the addition of a word or of words identical in meaning with or similar in meaning to the words already conveying the idea, or (3) by the repetition of a grammatical device, or by a combination of two such devices differing in form but not in meaning. Gemination is the simplest form of repetition and with certain parts of speech is of rather frequent occurrence. Repetition of the second kind takes the form of tautology, of the use of double expressions or the *figura etymologica*. The range of tautological expressions runs from such simple adverbial or conjunctive combinations as *deinde poetea*, *nisi, si, ergo*, *igitur* to the more complicated and interesting emphatic possessives *meus mihi*, *tuus tibi*, *suus sibi* or the combination of two such negatives as *neque* and *numquam* to make a negation more emphatic. In the case of double expressions where the second part of the expression serves merely to re-enforce the idea of the first part, the two parts may be connected by a conjunction, by alliteration, or may be left unconnected.

The essential purpose of the *figura etymologica* as illustrated in *iterum iterare* is to secure emphasis as Landgraf has shown from Quint. vii. 3.26.

The third general class of cases is best represented by the double frequentative, the double diminutive and double gradation. It is not probable that the occurrence of the double fre-

quantitative form or the double diminutive form indicates that the (single) frequentative or the (single) diminutive had lost its characteristic force. The second ending was added unnecessarily by the speaker or writer, for the sake of emphasis.

MILTON'S TREATMENT OF NATURE.

VERNON PURINTON SQUIRES.

(Misses Bowen, Weatherlow, and Maddocks, and Mr. Grant assisted in preparing this paper.)

1. *Nature forms mentioned.* Tables were presented showing every reference in Milton's poems to animals, plants, general landscape features, sky phenomena, sounds, light and color, smell, and taste. There all clearly indicated two tendencies: first, generic references were more numerous than specific references; and secondly, references to objects of which the poet could have known only through books were more numerous than the references to such as he might have personally seen. For instance there are 476 allusions to animals, 226 of these are to specific animals, 251 are generic expressions. Of the 476 allusions 266 are clearly "bookish."

2. *Use made of Nature.* (a) As background or setting, nearly all the poems are laid out of doors, and consequently there are frequent references to natural objects. This was necessary in the treatment of the poet's themes, and accordingly of itself indicates little love or appreciation for nature. (b) In figures. The nature references in similes and metaphors are apt and beautiful, but are very frequently geographical and "bookish." (c) For charm, tone, coloring, etc., characteristics as in (b).

3. *Conclusions.* (a) Milton was not a close and accurate observer of natural phenomena. (b) The dictum of Johnson that he saw nature "through the spectacles of books" is just.

[This paper in its entirety will appear in a coming number of *Modern Language Notes*.]

WORDSWORTH AND THE ENGLISH LAKES.

MYRA REYNOLDS.

A general sketch of the physical features of Westmoreland and Cumberland. The topography of the region outlined with a map. A series of stereopticon views illustrating.

1. The peculiar physical features of the lake district, such as tarns, becks, gills, treeless mountains, small, level valleys, yew-trees, ancient mountain chapels, and cottages of peasants.

2. Various places associated with Wordsworth's life, as Cockermouth, Hawkshead, Cambridge, Town End, Grasmere, Rydal Mount, Ambleside, Keswick.

3. Places made famous in his poetry, as Red Tarn, Gowbarrow Park, Aira Force, Furness Abbey, Bolton Abbey, Barbara Lethwaite's Cottage, and various lakes and waterfalls.

STUDIES IN TONE COLOR IN ENGLISH VERSE.

S. H. CLARK.

The speaker's aim was to show the reality, rather than to explain the origin, of Tone Color in verse. Tone Color was defined as the quality of vowels and consonants which best adapts them to the vocal presentation of thought and emotion: Tone Color an elocutionary possibility! The speaker held that melody, rhythm, assonance, and other graces of poetic art are addressed to the mind through the ear, and are æsthetic just in so far as they illuminate the emotional meaning of the author. Tennyson's *Vision of Sin*, *Sir Galahad*, *The Lotos Eaters*, and

other selections were cited in evidence. It was pointed out that it was first necessary for the poetic artist to select the word to convey his sense, but that since poetry is to be spoken he is the greatest artist who selects words and their arrangement best adapted to the vocal rendition of his thoughts and feelings.

SEMITIC SACRIFICE.

A. E. E. WYANT.

We study the meaning of *sacrifice* from an exegetical standpoint. A study of the sacrifices of the Semites is important, for among these peoples Judaism and Christianity had their origin. The interpretation of many parts of the New Testament turns on the idea of sacrifice embodied in the temple service of the Old Testament. The ritual of the temple, as set forth in the Pentateuch, was not a thing entirely new. A more elevated and spiritual meaning was put into an old institution. The Bible does not explain the origin of sacrifice. It seems to be taken for granted that sacrifice is a part of any religion. The exegetical student must ask what sacrifice meant, not only to the Hebrews but to their heathen neighbors as well.

Robertson Smith's discussion of the fundamental institutions of the Semites is well worth examination. He puts emphasis upon the social character of the Semitic religion, and thinks that the fundamental idea of Totemism can be traced even in the religious conceptions of later times. A correct view of the sequence and dates of the several parts of the Pentateuch is essential to a proper study of the meaning of sacrifice.

The three main types of Levitical sacrifice are the holocaust, the festal sacrifice, and the sin-offering. The material of sacrifice consisted of edible substances. A sacrificial meal necessitated the slaying of a victim. Does not Psalm 50 show that once there was a belief that Jehovah ate the flesh of bulls and drank the blood of goats? But this conception was too materialistic to survive, and so food in liquid form, or etherealized into smoke seemed more real food for the deity. It is held by Smith that in the last days of the kingdom of Judah, and still more after the exile, piacular sacrifices and holocausts acquired a prominence not possessed in ancient times. Men sought exceptional religious means to conciliate an offended deity who seemed to have forsaken his people. The sacrificial meal lost much of its old significance, and the holocaust seemed more sacred and efficacious. Tracing the significance of sacrifice back to its origin in primitive society, the fundamental idea seems to have been communion between the god and his worshippers.

A proper interpretation of Mosaic sacrifices forms the basis for a correct view of the atonement. The sacrificial language of antique ritual describes Christ's work. But these terms in ancient religion are vaguely defined, and seem to indicate impressions rather than precise and definite ideas.

PRE-MOSAIC OR PATRIARCHAL SACRIFICE.

BRUCE KINNEY.

The origin of sacrifice is obscure; it is not given in the Bible. Some say if it was not of divine origin it must have been mere superstition. But Abel's sacrifice was acceptable and hence could not have been mere superstition. It is preferable to believe that it was not of simply human origin, but that it grew out of man's nature as given by God. The purpose of Abel's sacrifice depends largely upon what its origin was. If of divine origin it could have been piacular, but not if of simply human origin. The idea of atonement on account of shed blood did not come till later and could not have been a purely human idea.

The reason Abel's sacrifice was accepted and Cain's not is explained by Paul when he says, "By faith Abel offered a more excellent sacrifice than Cain." God had respect unto Abel as well as his sacrifice; but not unto Cain, hence not to his sacrifice. His sacrifice was indicative of his lack of faith. All pre-Mosaic sacrifices are clearly not placular. The first type of the "Lamb slain from before the foundation of the world" is found in the passover. From data procurable it is unwise, not to say impossible, to dogmatize as to origin and purpose of sacrifice.

VICARIOUS SACRIFICE.

A. O. STEVENS

Some elements in the non-biblical religions throwing light upon the scriptural doctrine of sacrifice are: belief in solidarity of people; representative suffering, bloody rites, imposition of hands, and substitution.

The Hebrew sin-offering was an object-lesson and a symbol. It was a ground for the forgiveness of sins; not a vicarious punishment, nor a substitute for righteousness. Christ suffered vicariously only in the sense that he suffered for our sakes, thereby rendering our suffering less. He was not punished. His death was not a substitute for righteousness; but it made God favorable toward the sinner. We die with Christ only in an ethical sense. Christ's sacrifice, in preserving the moral order of the universe, served as a substitute for the sinner's punishment.

THE INFLUENCE OF HORACE IN ENGLISH LITERATURE.

E. H. LEWIS.

Horace has always been in England the most popular of the ancients. This fact is probably due to the many points of contact between English character and that type of Roman character which finds expression in Horace. Many of Horace's traits are English traits as well: strong good sense, honest love of country, disregard for metaphysics and theories, devotion to a few staunch friends, strength often hid behind a mask of indolence and languor.

Chaucer, though of Horatian temperament, was probably not well acquainted with Horace. Spenser, from innate difference of temperament, shows no sure trace of his influence. The Elizabethans were influenced somewhat by the odes, but not by the epistles and satires. Jonson was the most Horatian of the Elizabethans, both by nature and by study. There are one or two imitations of Horace in Shakespeare. Milton shows very many Horatian phrases, but not more than of Lucretian or Vergilian phrases. There was no deep sympathy between Milton and Horace.

From Dryden's time on it is Horace as a critic and satirist that appeals to Englishmen; and in the Augustan age he becomes the real classical master of English poets. With Pope the lyric impulse fails, and the reign of reason—or what Horace called his prosaic muse—is complete. In this period the literary letter, a genre invented by Horace, reaches its most felicitous period. Pope was the cleverest of the imitators of Horace, but his satire is bitter, an adjective that can be applied to nothing Horace wrote. Swift's imitations of Horace are both bitter and vulgar, following the spirit of Juvenal rather than of the earlier poet.

Prior imitated the odes. His Horatian qualities are quickness of movement, wit, grace, and melody; but there is mingled with his Horatian regularity a curiously wayward fancy that is almost Elizabethan. The astonishing piece of criticism implied

in Prior's statement "that his two models were Spenser and Horace" points to an unconscious movement away from classicism. Almost every writer of Prior's day imitated Horace.

It is in a poet of the new movement, Cowper, that, as Covington points out, we have the greatest English master of the Horatian manner. In Cowper we have Horace's natural gentleness; his natural urbanity; his mild satire; his sincere reverence at heart—much stronger of course in the modern poet; his wit; his polish, his good sense. The fully developed romantic school is not influenced by Horace. Byron indeed wrote an imitation of the *Ars Poetica* but his spontaneous work shows no Horatian influence.

CANTOR'S PROOF OF THE EXISTENCE OF TRANSCENDENTAL NUMBERS.

OSKAR BOLZA.

An account of G. Cantor's researches concerning the potency ("Mächtigkeit") of masses of points ("Punktmengen"); Cantor's proof that the mass of all real algebraic numbers is countable ("abzählbar"); Klein's modification of Cantor's proof of the existence of non-countable masses, hence the existence of transcendental numbers. Equipotency of the linear and the n -dimensional continuum.

THE GAMMA FUNCTION

is a transcendently transcendental function: Hölder's proof.

E. HASTINGS MOORE.

The speaker referred to certain fundamental classifications of numbers and of analytic functions of one variable z : Integral and non-integral, rational and irrational, algebraic and (non-algebraic or) transcendental. Amongst transcendental functions the commoner ones satisfy algebraic differential equations having as coefficients rational functions of z . It is proposed to style all such functions algebraically transcendental, and all others transcendently transcendental.

Dr. Hölder (*Mathematische Annalen*, Vol. 28, 1887) has proved that the function $\Gamma(z)$ is (to use the suggested term) transcendently transcendental, by showing first that $\phi(z)$ the logarithmic derivative has that property, as a *reductio ad absurdum* consequence of the functional relation

$$\phi(z+1) = \frac{1}{z} + \phi(z),$$

and then that, if any function is algebraically transcendental, its logarithmic derivative is algebraically transcendental.

In the paper after this theorem for $\phi(z)$ was developed by Hölder's elegant method, a sketch was given of a corresponding direct development of the theorem for $\Gamma(z)$ from the functional relation

$$\Gamma(z+1) = z \Gamma(z)$$

A THEOREM OF RUNGE IN THE THEORY OF ANALYTIC FUNCTIONS.

HERBERT E. SLAUGHT.

The paper discusses in detail the first half of a memoir by Runge, "Zur Theorie der eindeutigen analytischen Functionen," (*Acta Mathematica*, Vol. 6, 1885.)

The ultimate theorem is: Any single-valued analytic function of the complex variable z can be expressed within its entire region of definition as the sum of an infinite series of rational functions of z .

An especially important auxiliary theorem is: B being a region consisting of pieces each of finite connectivity, upon (within and on the boundaries of) which a single-valued analytic function $f(z)$ (otherwise arbitrary) has no singular points, and C being a region entirely distinct from B , then there exists a rational function $R(z)$ which differs in absolute value by less than any quantity, initially assigned, however small, upon B from $f(z)$ and upon C from zero.

THE CANONIC COÖRDINATES OF HAMILTON AND JACOBI IN THE DIFFERENTIAL EQUATIONS OF THE PROBLEM OF N BODIES.

KURT LAVES.

After sketching the method of solving the problem of three bodies by approximation, as employed by the great mathematicians of the last century, Dr. Laves points out the importance of the new methods of Delaunay, Hill, Gylden, Lindstedt, and Poincaré. Since in the new methods the investigations of Hamilton and Jacobi are of the greatest importance, their researches are deemed worthy of special attention.

Starting from the differential equations of a system of n bodies, among which exist $3n-k$ equations of condition, Lagrange's k differential equations of the second order are derived. By the introductions of Poisson's variables, Hamilton's $2k$ simultaneous differential equations of the first order are obtained. Jacobi has shown that the integration of these $2k$ canonic equations may be reduced to the integration of an equation with partial derivatives of the first order of a certain function S of $k+1$ independent variables. When a complete integral S of this differential equation is obtained, the general integrals of the system of $2k$ simultaneous differential equations may be at once derived.

THE SINGULARITIES OF SURFACES

(with illustrations from the models of the department).

H. MASCHKE.

Double points occurring on algebraic surfaces such as conical points, binodes and unodes were defined and classified analytically, and an explanation was given of their geometric aspect.

ON THE SURFACE OF THE 4th DEGREE WITH 16 SINGULAR POINTS.

J. ARCHY SMITH.

The paper gave a review of two articles published by Kummer (*Monatsberichte der Akademie der Wissenschaften*, Berlin, 1884) on the surface of the 4th degree with 16 singular points. In these articles Kummer showed (1) that a surface of the 4th degree with 16 singular points has 16 singular tangential planes. Of these 16 points and 16 planes, 6 points lie in each plane and 6 planes pass through each point; (2) he set up and discussed the general equation of such a surface in homogeneous point coordinates; (3) he showed that through any plane curve of the 4th degree can be passed 6 four-foldly infinite sheaves of surfaces of the 4th degree with 16 singular points; (4) that the congruence of double tangents, which is of the 12th order and 28th class for the general surface of the 4th degree, breaks up into all the lines of the 16 singular planes and 6 congruences of the 2d order and 2d class when the surface of the 4th degree has 16 singular points.

Mr. Smith gave, in addition, a simple algebraic representation of the configuration of the 16 singular points, the 16 singular tangential planes and their contact-conics.

A NEW TRANSCENDENTALLY TRANSCENDENTAL FUNCTION.

E. HASTINGS MOORE.

The function

$$f(x) = e^x + e^{2x} + e^{4x} + e^{8x} + e^{16x} + e^{32x} + \dots$$

where, as is necessary for the convergence of the infinite series, the real part of the complex variable x is negative, is a transcendently transcendental function of x in the stricter sense, that it satisfies no algebraic differential equation whose coefficients are rational integral functions of x and e^x .

This is proved easily, by the *reductio ad absurdum* process, to be a consequence of the functional relation

$$f(2x) = f(x) - e^x.$$

Several lemmas concerning rational functions of two independent arguments $R(x, y)$ are needed; the following example may suffice:

If for every value of x

$$R(2x, e^{2x}) = 2^k R(x, e^x) + c e^x$$

(where k and c are constants), then we have, as an identity in x and y ,

$$R(2x, y^2) = 2^k R(x, y) + c y,$$

which is possible if and only if

$$k=0, c=0, R(x, y)=d=\text{a constant.}$$

The theorem holds still if we substitute for the exponent of the general (n^{th}) term of $f(x)$, viz., $2^k x$, more generally $a^k x$, where a is any positive integer > 1 .

THE PSALMS OF SOLOMON.

C. E. WOODRUFF.

The paper was limited to a discussion of the religious life and belief of the Pharisees as reflected in these Psalms. Devotionally, the Pharisees were possessed of a religious spirit which could come only from the true source of worship. But it was limited in many ways, especially by the characteristic doctrine of righteousness. This peculiar doctrine, however, was not wholly destructive, for primarily it was based on the belief that the law was given for the development of a true life. Their doctrine of sin, which at first sight, and practically, was equally restrictive, was not wholly false, for sin was seen, to some extent at least, as a moral status which was the source of all ceremonial transgression. This more or less profound conception of sin makes the characterization of the Sadducees as the typical sinners peculiarly effective as a weapon of sarcasm.

In general, the Psalms reflect the times in which they were written, and are an interesting illustration of the interplay of religious fervor and study of the law with outward misfortune and the intensified exclusiveness that came in consequence.

CHRIST'S SELF-DESIGNATION, "THE SON OF MAN."

A. O. STEVENS.

This term was used by Christ without any special Messianic significance. The only conjectural derivation of the title, the book of Enoch, is, in the sections where the phrase occurs, apparently post-Christian. This fact, together with the unmessianic significance of the title in the New Testament, prove that Christ intended to present no special Messianic claim by the selection of this self-designation.

THE OREODONTIDAE.

M. S. FARR.

The Oreodontidae were a peculiar side branch of Arteodactyl Ungulates. They have many characters pointing to their relationship to the Camelidae, Cervidae and other Ruminants. In the anatomical character of the skeleton some members of the family show a clear relationship to suilline animals. The abundance of the remains of the Oreodontidae found in the "Mauvaises Terres" of Dakota and Nebraska is conclusive proof that they existed in great numbers, and were gregarious in their habits, living in shallow water or in swamps along the shore. Several of the genera were aquatic, and by their anatomical structure were admirably adapted to their mode of life.

Protoreodon, the first representative of the Group, appears in the Uinta formation of the upper Eocene. This member of the family is very generalized in its structure, and exhibits many primitive characters.

Later representatives of the Group increase in size and become more specialized.

The Family runs through to the end of the Miocene, where it died out, and has left no descendants.

THE MORPHOLOGY OF THE VERTEBRAL COLUMN OF THE TELIOSTOMI, THE AMPHIBIA, AND THE AMNIOTA.

O. P. HAT.

The caudal vertebrae of *Amia*, with distinct pleurocentra, were taken as a point of departure. The vertebrae of various fossil species belonging to different families of "ganoid" fishes were drawn into comparison. The conclusion reached was that a vertebra of the higher vertebrates consists of an upper arch, two pleurocentra and a lower arch. In the bases of the latter are developed hypocentra, and in its dorsal portions, the ribs of fishes and the chevron bones of Amphibians and the Amniota.

TAMMANY HALL.

H. F. JUDSON.

Origin, as a benevolent society, 1789. First induction in politics, by Aaron Burr, in 1800. Early course in national, state, and local politics. Its political successes. Political object: to control the city government of New York. Political methods: the spoils system carried to its logical end. Its organization: the general committee, the executive committee, the committee on organization—in short, it is a dictatorship, exerted through an oligarchy, supported by a democracy, for exploiting public funds. Active social adjuncts: picnics, balls, etc. Character of membership: largely of foreign birth, largely Roman Catholic, of the lower middle classes. Sources of strength: thorough organization, support of the national Democratic party, liquor dealers, spoils. Overthrow only by destruction of the spoils system.

THE EVOLUTION OF OUR SYSTEM OF ESTABLISHING AND ADMITTING NEW STATES.

GEO. H. ALDEN.

In this paper were shown the tendency, existing before the Revolution, to form new British colonial governments west of the Alleghany Mountains, and the almost accidental way in which the Continental Congress resolved to form and admit new states from the "back country." Seven distinct historical

plans were analyzed, beginning with that of Silas Deane in 1776, and including the Ordinance of 1787, thus tracing a gradual development into our present system of establishing and admitting new states.

FUGITIVE SLAVES AND THE UNDERGROUND RAILWAY.

WALTER S. DAVIS.

Importance of the question of the rendition of fugitive slaves in American history. This the most irritating phase of African slavery. Precedents for the rendition clause of the Constitution found in colonial statutes and in the Ordinance of 1787. The law of 1793 for carrying the rendition clause into effect. The famous law of 1850 causes great popular indignation in the North. The North becomes a "vast hunting ground." Terror of the blacks. Many leave for Canada via the Underground Railroad Operations of the Underground Railroad. Formed about 1838. Four main lines from the South to Canada. A picturesque and romantic feature of American history. The services of the Quakers. Union officers prohibited from returning escaping slaves. Repeal of the Law of 1850 in June 1864, mainly through the untiring efforts of Charles Sumner.

THE EVOLUTION OF OLD TESTAMENT LITERATURE.

EMIL G. HIRSCH.

Literary criticism cannot assume that in the development of Old Hebrew literature the laws regulating the growth of the literary productions of other peoples were not operative. On the contrary, it starts from the recognition that these laws are universal and admit of no exceptions. History always precedes literature; the constitution of a nation, the nation's legal code. Nowhere does any antecedent century anticipate the political, social, or religious needs of a subsequent one. The Pentateuch presupposes a people devoted to agriculture. It cannot therefore have been promulgated before Israel had become the possessor of the land.

No tribe or people anywhere begins its life with a literature highly developed, its social organization perfected to its most minute details and its religious system defined in crystalized sacerdotalism. Nor did the *Beni-Israel*. The sojourn of the Hebrews in Egypt seems, to say the least, doubtful. Indications abound that only the Joseph clans were settled in the Nile Delta. Judah is not of pure "Hebrew stock"; and was not among the slaves of Pharaoh. The influence of Egypt was not great in moulding the character of the religion and the literature of these shepherd tribes. There is not the slightest warrant for the assertion that Egyptian elements reappeared in Mosaism. The interests of the rude Semite shepherd clans centre in feuds and the possession of the wells. Their religious horizon is not very wide. Renan's generalizations are fallacious. The Semite by instinct, is neither monotheistic nor religious. The earliest literary productions of the Hebrews reflect, indeed, these conditions. Sword songs (Gen. IV.) and Well songs; tribal taunt poetry: the Book of *Yashar* (read: *yashur*) and the *Milchamoth Yahweh*. The consciousness of national unity and kinship is very weak as yet. The common Sanctuary of *Yahweh* at Sinai serves to remind the *Beni-Israel* of their common descent. *Yahweh* is in all likelihood a non-Hebrew deity. (Midianite-Judaic). Perhaps in his worship, animal sacrifices (or human) were not tolerated. An annual festival, like that at Mekka, convened the scattered tribes around Sinai; which opportunity was utilized to rebuke or encourage the component clans. For the cat-

egory of literary productions, to which Gen. XXXIX. and Deuteronomy XXXIII. and Judges V. belong, must have been very large.

The gradual conquest of the land and the exchange of simple *Yahweh* worship for the sensuous cults of the aborigines marks a crisis. The Nazirites, precursors of the *Nabhiim*, emphasize desert life with its loyalty to *Yahweh*. The austere God of the desert, unapproachable in the struggle with the *Baalim*, was spiritualized into the holy God of Israel. Prophetic literature is the precipitate of this conflict covering more than 500 years, during the progress of which the concept of *Yahweh* was gradually enlarged and clarified, and his cult, to emphasize the distinction between him and other deities, restricted to one centre (Jerusalem), the priestly family at this altar thus winning precedence over those ministering at all other shrines (the *Kohanim* as distinct from the *Lewitim*).

The legal code is the reflected light of the development of Prophetic Religion. The first step is the Book of the Covenant, corresponding to the sword and well-song period; a collection of precedents, decisions of *Sheikhs*=*Mishpatim*, with but little admixture of religious element.

The second, Elohist and Yahwist, independent attempts to chronicle the history of the people under the influence of the national idea; but at a comparatively early period united into one book, corresponding to the position of the early Prophets, including, possibly, Isaiah I. The third is Deuteronomy, of Jeremiah's time, centralizing the cult, and moralizing the God concept.

The Exile marks a fourth phase. Prophetism triumphs, but the national-religious polity of the priestly orders succeeds in reconstituting on sacerdotal lines the official symbolism. The priestly code, co-temporaneous to the *Ebbedh Yahweh* literature and its antipode, is not a free invention. It utilizes old materials (the priestly *Thôrâh*); it had its predecessors (holiness laws=Ezekiel.) It owes its willing and universal acceptance to the notion of Israel's priesthood to *Yahweh*, rigorously carried out to its last consequences by Ezra, in whose days, barring certain changes of later date, the Pentateuch as we have it now, virtually was canonized. (Books of Chronicles is the Levitical reconstruction of material in the other historical books collected during Exile.

Individual as opposed to national holiness, universalism as contrasted to racial exclusiveness, finds during and after the Exile its expression in the *Wisdom Literature*. The Maccabean uprising gives especial impetus to personal religion—*Daniel* and *Ether*. The *Ebbedh Yahweh* ideal of the Exile is revived in the *Andwim*—"the poor." The Hebrew Canon was probably closed in its tripartite construction in the first pre-Christian century. The law, about 400 B. C., the prophets about 175 (Maccabean), the other writings about 100.

OBJECTIONS TO THE WELLHAUSEN HYPOTHESIS.

WM. R. HARPER.

(1) It fails to account for the work of the prophets,—a work, the basis of which is already in existence. (2) It takes away practically all literature from the very period which under ordinary circumstances would have been expected to produce literature. (3) It masees the literature of a nation in a period, the activities and circumstances of which were not of a character to originate or produce. (4) "It is opposed to an adequate conception of the personality of Moses and of the condition of Israel under his leadership. (5) On the ground of the theory of the development of history, it fails to account for the effects of Israelitish Traditions and History. (6) The argument from silence is pressed too far. (7) It is easier to explain the con-

tents of the priest code on the supposition of comparatively early origin, than the supposition of invention in the latest period. (8) Its treatment of the tabernacle is a most exaggerated one and without foundation. (9) The supposition that the priest code with its new laws and festivals, new order and modes of worship, was essentially new in the latest period and was introduced unsuccessfully in opposition to the code already in existence is improbable. (10) It is also improbable that there could have been original sources still existing distinct from those employed by J. E., and D. from which P. at this latest period could have selected material. (11) The P. of Wellhausen is a moral and intellectual monstrosity. (12) The priest-code prepared according to this theory for the Israel of the fifth century contains too much material which is of no value whatever from this point of view.

SOME CHARACTERISTICS OF ASSYRIAN LETTERS.

GEO. R. BERRY.

The British Museum alone contains over a thousand Assyrian and Babylonian letter-tablets. The difficulty of deciphering them is so great, however, that but a small proportion has been translated or even published. Although much later in time, they show many of the peculiarities of the *Tel-El Amarna* tablets. Most of them are addressed to kings by their officers; and in contents they are exceedingly varied, religious, astrological, commercial, and military subjects predominating.

As distinguished from the historical inscriptions, these letters are carelessly and often peculiarly written. Grammatically they show many variations from the ordinary forms, especially in the varying use of different vowels and in the employment of colloquial forms. The salutations show some variety, but are marked by characteristic and stereotyped formulæ. Two or more gods are generally invoked in set phrases, with a devotion which is largely formalism. The great number of officers mentioned here and there throws much light on the organization of society.

The letters will well repay careful study. Besides important philological information, they will ultimately be made to give a picture of the life of the people, as a whole, in all their varied activities, which can be obtained from no other source.

DATE AND AUTHORSHIP OF THE DIFFERENT SECTIONS OF MICAH.

CHARLES R. KENT.

The results of the various critics of the book of Micah present the widest differences. Chapters 1-3 (with the exception of 2:12, 13) are alone attributed by all to the Micah from Moresheth. These chapters therefore must be the source from which to determine the language, style, thought-realm characteristic of the prophet as a basis for future comparison. The Messianic sections 2:12, 13 and 4:1-5:15, although treating of an entirely different theme, present striking points of similarity in the use of terms, literary style, and ideas. Chapter 4:1-5:1 reflects the events and peculiar teachings of the year 702-1 B.C., in which Judah was invaded by Sennacherib; while the material of 5:1-15 is more in harmony with the background and Messianic concepts which characterize the earlier days of Hezekiah's reign. Chapters 6:1-7:6, also contains many water-marks which bespeak a Micah authorship. The close analogy which extends not only to ideas, but even to form of expression between this section and Isaiah 1, indicates that the two passages are the product of the same critical period, evidently the earlier days of 701. The date and authorship of chapter 7:7-20, is more doubtful. There is however strong evidence that it belongs to Micah, and that it probably dates from the same period as the preceding section.

THE HYDROGRAPHY OF PALESTINE.

DEAN A. WALKER.

In the rainy season, from November to April, the water supply is abundant throughout the country, but in the dry season, its distribution is very unequal, and many towns of considerable size are reduced to a very small allowance, so that women are often obliged to go long before sunrise in the morning to take their turn at the village fountain, and quarrels among them necessitate the presence of a policeman to keep the peace. It is the southern part of the country, or Palestine proper, that suffers most. The streams of the plains of Philistia, Sharon and the Hauran run dry during the summer throughout most of their courses, and the inhabitants must depend upon wells, which are often in very unsanitary condition. In other parts of the country, as in Moab, the rock-hewn cistern is a prominent feature and on the hills about Jerusalem sepulchres have been utilised for the same purpose. Jerusalem itself depends upon its private cisterns which gather the winter rains from the house-tops. Numerous remains in Moab and Judea of large artificial pools and conduits call to mind the pools of Hezekiah, and those at Hebron, Gibeon, Samaria, Heshbon and others mentioned in the Bible. Hydraulic engineering in Palestine found its high-water mark in the underground conduits of Jerusalem which have not yet been satisfactorily explored and in the extensive Roman aqueducts at Acre and Tyre, and the *Qanatir Fircaun* or Pharaoh's Arches, in the Hauran.

In contrast with this waterless condition of the southern country and Moab, the northern portion, or Syria, abounds in perennial streams fed from the snows of Lebanon and Anti-Lebanon. Of the six principal river systems, the Nahr ul-'Aasi (Orontes), Litani (Leontes), Barada and 'Awaj (Abana and Pharpar), Mukattag (Kishon) and the Jordan, the first four lie north of Mt. Carmel and the basin of Tiberias. Of the two which remain to Palestine proper, the Kishon runs nearly dry in early summer and the Jordan being below the level of the Mediterranean from Tiberias to the Dead Sea is to be regarded rather as a gigantic drain than a water supply. It is therefore in the northern country, on the sides of Lebanon, Anti-Lebanon, and Hermon, that we look for the beautiful in water scenery, in the clear mountain springs, the rugged cañons, the natural bridges and the deep far-reaching caverns in the limestone formation from which the streams flow, which inspired the earliest inhabitants with awe and the sense of beauty, and led to the erection of those temples to Astarte, Tammuz, and Pan, whose remains are still to be seen at Afka in the Lebanon, 'Ain Fiji in the Wady Barada and at Banias.

THE CIVIC FEDERATION OF CHICAGO.

ALBION W. SMALL.

An historical sketch of the Civic Federation as an example of Social Evolution. (1) Mr. Stead's 12th of November meeting in Central Music Hall. (2) Appointment of Committee of Five, who selected a Committee of Thirty, who increased their number to fifty, to realise the idea of a "Civic Church." (3) First meeting of the Committee of Fifty marked the first effective recognition by representative citizens of the distress in the city. (4) The Committee of Fifty resolves itself into an organization for relief. (5) Meeting in Auditorium parlors establishes an emergency organization for relief and coöperation of Charities. (6) The work of the resulting "Central Relief Association." (7) Resumption of the idea of civic federation. (8) Incorporation of the Civic Federation—its Constitution, and the scope of its proposed work.

THE SOCIAL MINISTRY OF THE CHURCH.

GRAHAM TAYLOR.

Christ's mission was redemptive. Social amelioration was the end for which the Church was founded. We need today a deeper realization of the true significance of the conception, "fatherhood of God and brotherhood of man." We need a deepening spirit of worship; for religious feeling must be the great dynamic in solving the social problem. We must have more of the spirit manifested by Paul in the Epistle to Philemon.

In four spheres of life or thought, the call for the social ministry of the church is unmistakable. To begin with, the church should guard the integrity and sanctity of the family. Especially ought ministers to preach the sacredness of parental and filial duties. Again, in the industrial sphere, the church should be the true mediator between capitalist and wage-workers. Workmen are beginning to realize that the church is their friend, and to take advantage of this friendship. Their generous response to the recent overture of the Y. M. C. A. in this city, and to those of churches in several cities of New York are proof of this. The movement should be hastened. In regulations affecting industry, the ministers should have a power and should make it felt. Employers of child labor and woman labor contrary to the law should not be kept in the church.

A third duty of the church is that of general oversight in the community. To the pastor, the prison, hospital, insane asylum, and charitable institutions located in his pastorate should be a special care. Finally, the church should be a power in education generally, in forming and furnishing ideas and ideals, a guide to correct social opinions and sentiment.

THE RETAIL CLERKS' ASSOCIATION OF CHICAGO.

L. T. O'BRIEN.

The speaker discussed the objects of the Association, the methods employed, and the difficulties encountered. The prime object is to secure Sunday closing and regular reasonable week-day closing of stores throughout the city. To attain this end the same methods have, of necessity, been adopted as are made use of by our trusts and our political organizations. Stores which do not conform are boycotted. This process is rendered pretty effective by the fact that the Clerk's Association is affiliated with 149 other trades and labor organizations of Chicago in the American Federation of Labor.

Delegates from these organizations form the Trades and Labor Assembly of Chicago, at the bi-weekly meetings of which all matters affecting any of the affiliated associations are discussed and the proper action authorized.

Much of the difficulty of securing the ends aimed at by the Clerk's Association is due to the carelessness and selfishness of the more enlightened classes of society. They seem to think that, because they pay for what they buy, they are thereby released from all moral responsibility and may buy wherever they please.

In their efforts to secure Sunday closing, the Clerk's Association have frequently profited by the influence of individual pastors, but the clergy as a whole have given no efficient support through lack of organization.

The superior efficiency of the trades and labor organizations is to be explained by the vital interest which their members have in the success of the undertakings and by the fact that these organizations contain many men of acknowledged brain power, and not a few who have had the advantage of a college training.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

The officers of the Christian Union have pleasure in reporting progress during the past Quarter and bright prospects for the future. Reports have reached us from :

THE COMMITTEE ON BIBLICAL STUDY.

PRESIDENT WILLIAM R. HARPER delivered on successive Sunday afternoons of the Winter Quarter, in the *Kent Auditorium*, at 4:30 o'clock, twelve lectures on the *Stories of Genesis*. The series included the following topics :

The Creation of the World and the Institution of the Sabbath.
The Origin of Man and his first State of Innocence.
The Garden of Eden and the Beginnings of Sin.
Cain and Abel and the Beginnings of Civilization.
The Long-lived Antediluvians and the Demi-Gods and Heroes of other Nations.

The Sons of God and the Daughters of Men; Angels and Giants.

The Hebrew Stories of the Deluge.

The Deluge in other Literatures and in History.

The Dispersion of Nations.

The Confusion of Tongues.

The Human Element in the Stories of Genesis.

The Divine Element in these Stories.

THE COMMITTEE ON PUBLIC WORSHIP.

The following addresses have been delivered before the Christian Union on Sunday evenings, from January to March, 1894 :

REV. LATHAN A. CHANDALL, D.D., Chicago.

Jesus Christ in his Relation to Man. John 17, 22.

Convocation Sermon, January 7, Hyde Park Presbyterian Church.

FATHER J. O. S. HUNTINGTON, Westminster, Maryland.

Personality. January 14.

ASSISTANT PROFESSOR FREDERICK STARR, The University.

Shintoism. January 21.

ASSOCIATE PROFESSOR NATHANIEL BUTLER, The University.

Morality and Christianity. January 28.

ASSISTANT PROFESSOR HENDERSON, The University.

Real Christian Unity. February 4.

REV. S. W. DIKE, D.D., LL.D., Auburndale, Massachusetts.

Problems of the Family. February 11.

HEAD PROFESSOR ANDERSON, The University.
February 18.

HEAD PROFESSOR BURTON, The University.

March 4.

HEAD PROFESSOR TH. C. CHAMBERLIN, The University.

Perpetuity of Our Acts. March 11.

ASSISTANT PROFESSOR W. M. MCCLINTOCK, The University.
March 18.

THE COMMITTEE ON PHILANTHROPIC WORK.

This Committee has continued to conduct the Social Settlement south-west of the Stock Yards. Two graduate students reside in the house. The work of the day nursery, the Kindergarten, the various clubs and educational meetings have been carried forward. Students have rendered personal service in furnishing instruction and wholesome entertainment. The limit of the work is far beyond the present modest and careful beginnings. It is imperative that a permanent head should be provided at once, and that various forms of social activity be extended.

THE COMMITTEE ON SOCIAL LIFE.

This Committee, on behalf of the Christian Union, arranged for a cordial reception to the new students at the beginning of the Quarter. Its members have also endeavored to promote an interchange of kindly offices in case of sickness, and to foster acquaintanceship among students.

UNIVERSITY SETTLEMENT.

Below is given the weekly programme for May, together with a membership of each of the clubs and the name of the leader :

Sunday, 8 P.M., music and lecture; average attendance 40.

Monday, 8 P.M., University Extension lecture, Mr. Zeublin; membership 60.

Tuesday, 4 P.M., Busy Bee, Miss Spalding; membership 30.
8 P.M., Banyan Club, Miss Reynolds; membership 41.

Wednesday, 8 P.M., musical evening, Miss Mari Hofer; average attendance 18.

Thursday, 4 P.M., Young Americans, Mr. Johnston; membership 13.
7 P.M., Lincoln (Boys, Mrs. Wilcox; membership 12.
8 P.M., Golden Star Club, Miss Sturges; membership 30.
8 P.M., drawing class, Mrs. Torrey; membership 6.
8 P.M., boys' drawing class, Mrs. Vincent; membership 9.

Friday, 4 P.M., Busy Workers, Miss Love; membership 20.
7 P.M., arithmetic class, Mr. Hurlburt; membership 15.
7 P.M., Young Emmetts, Mr. Johnston; membership 10.
8 P.M., Young Chicagos, Mr. Johnston; membership 17.

Saturday, 11 A.M., Young Citizens, Mr. Church; membership 25. 2:30 P.M., Playmates, Miss McWilliams; membership 10. 2:30 P.M., Happy Workers, Miss Hopkins; membership 21. 2:30 P.M., Happy Helpers, Miss Hutchins; membership 30. 2:30 P.M., Rosa Bonheur Club, Miss Marot; membership 4. 4 P.M., piano class, Mr. Cady; membership 10. 8 P.M., Young Men's Club; membership 24.

The Kindergarten, under the direction of Mrs. Mary B. Page, has accommodations for 40 children. A much larger number of applications has been received. A Kindergarten institute is to be opened in the autumn.

Until May 1 there was a well-attended meeting for children every Sunday afternoon, under the direction of Mr. C. K. Chase. During May, meetings of a very informal nature are being held.

The newly organized University Extension Centre has begun its studies with Mr. Zeublin's course on "English Fiction and Social Reform," extending from April 30 to June 4. The local committee is composed as follows: James Monahan, President; Miss Abbie McDonough, Miss Fannie Bergen, Banyan Club; Anton T. Zeman, Thomas Bergen, Young Men's Club; B. E. Janovsky; Max West, Secretary, 4655 Gross avenue.

Mrs. Mary H. Ford is giving a series of talks on art at the Sunday evening meetings, at fortnightly intervals, beginning April 21.

Mr. Johnston conducts a class in the Social History of England in the Eighteenth Century on Tuesday evenings at the 47th Street M. E. Church. The attendance is about 15.

The University Crèche, in the same building with the Settlement, is supported by a committee of The Children's Aid Society. Mrs. Chas. A. Mallory is President of the Crèche, and Mrs. Kate Wilcox is Matron. The daily attendance varies from 2 to 12.

Dr. Small, the University physician, makes periodical visits to the Settlement to give medical advice to the poor people of the neighborhood and to the children in the Crèche.

On Friday evening, May 4, the University Glee and Serenade Clubs gave a concert for the benefit of the Settlement, at St. Rose of Lima Hall, near the Settlement.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

The work of the Association during the Winter Quarter was continued along much the same lines as in the Autumn, but with a marked increase of interest in each department.

The Quarterly reception was given Saturday evening, January 6.

A feature of the Friday evening meeting has been the address given once a month by a member of the faculty or by some one outside the University. The speakers have been Professors Burton and Butler, and President J. M. Coulter, of Lake Forest University.

The "Day of Prayer for Colleges" was observed in January. The membership list has been revised, and the present membership is 156.

At the last regular meeting of the Quarter the following were elected officers of the Association for the ensuing year:

President, A. T. Watson; Vice President, H. D. Abells; Treasurer, F. D. Nichols; Recording Secretary, J. F. Hoscic; Corresponding Secretary, D. A. Walker.

Committees were appointed as follows:

Devotional Committee:

W. E. Wilkins, G. A. Bale, E. V. Pierce, E. E. Hartley, S. C. Mosser.

Membership Committee:

T. L. Neff, B. R. Patrick, W. P. Behan, A. M. Wyant, O. E. Wieland.

Finance Committee:

E. J. Goodspeed, S. S. Hageman, W. Breeden, J. Lamay.

Reception Committee:

A. A. Stagg, M. L. Miller, W. E. Chalmers, W. P. Behan, F. W. Woods.

Missionary Committee:

F. G. Cressey, J. F. Hunter, J. Hulshart, H. H. Hewitt.

Bible Study Committee:

W. B. Owen, T. A. Gill, J. F. Hoscic, F. R. Barnes, H. F. Atwood.

Intercollegiate Work Committee:

C. F. Kent, A. A. Stagg, C. K. Chase, J. E. Raycroft.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

During the Winter Quarter the Association has gained steadily in membership, in interest, and attendance. The membership at present is 96. Two meetings are held each week. A union meeting with the members of the Young Men's Christian Association on Sunday evening at 6:45 in Cobb Lecture Hall, also a noon prayer meeting for women only, Thursday, at 1:30, in the same lecture room. During the quarter just passed a branch known as the Dormitory Branch of the Y. W. C. A. has been formed. This aims to work exclusively among the women living in the University Houses, and conducts a house prayer meeting in each of the houses once a week. At these meetings the subject assigned for the Thursday noon meeting is considered.

The following are the committees:

Executive Committee:

President, Zella A. Dixon; Vice President, Jean E. Colville; Recording Secretary, Louise Goodhue; Treasurer, N. J. Carpenter; Corresponding Secretary, Harriet C. Agerter.

Reception Committee:

Harriet C. Agerter, Mary Scarff, Dr. Alice B. Foster, Belle Pettogrew.

Membership Committee:

Mary Maynard, Louise Goodhue, Laura A. Jones, Stella Robertson, Charlotte Coe.

Prayer Meeting Committee:

Jean E. Colville, Emma Shafer, Elizabeth Crowther, Mary Castle, Flora M. Thompson.

Missionary Committee:

Cora Jackson, Laura Willard, Ella M. Keith, Harriet C. Agerter, Flora M. Thompson.

Finance Committee:

N. J. Carpenter, J. K. Boomer, Marion Morgan, May Rogers, V. E. Woodward.

Publication Committee:

Jean Colville, Mary Maynard, Harriet C. Agerter, Cora Jackson, N. J. Carpenter.

SPECIAL MISSIONARY AND OTHER RELIGIOUS MEETINGS.

The Missionary Society of the Divinity School

Held several meetings during the Winter Quarter, two of which were important conferences, that called out deep interest and a large attendance, viz.:

The *Second Annual Convention of the INTER-SEMINARY MISSIONARY ALLIANCE OF CHICAGO*, held in the Chapel, Cobb Lecture Hall, on Friday, February 16, 1894. The Executive Committee consisted of: E. M. Lake, University of Chicago, Chairman; G. L. Cady, Chicago Theological Seminary; W. T. Jones, McCormick Theological Seminary; L. E. Smies, Garrett Biblical Institute, and A. Muirmann, Bible Institute.

The morning session, beginning at 10:00 A.M., was devoted to Home Missions. Papers were presented by A. R. Gordon and David R. Breed, D.D. At the afternoon session E. A. Reed spoke on Medical Missions, and Professor Herrick Johnson, D.D., delivered an address on *Inducements to Foreign Mission Work*.

In the evening addresses were made by Rev. C. J. Little, Ph.D., on *Methods of City Evangelization*, and by Professor C. R. Henderson on *Motives to City Evangelization*.

The meeting was characterized by fraternal feeling and spiritual devotion.

The Triple Missionary Conference,

Under the auspices of the American Baptist Missionary Union, was held on Thursday and Friday,

March 15-16, 1894. Some of the sessions were held in the city, others at the University of Chicago. Dean Hulbert presided. The following addresses were given:

Essentials to Right Missionary Culture of our Churches.

REV. GILBERT FREDERICK, D.D., Chicago.

On Earthly or Heavenly Time-Tables? John vii:6.

REV. W. M. WALKER, Elgin.

Experimental Method in Propagating Christianity.

REV. A. T. ROSE, Burma.

Elements in a Divine Call to the Unevangelized.

A. K. PARKER, D.D.

Missions an Extension of the Incarnation.

L. A. CRANDALL, D.D.

Universities and World-Wide Missions.

REV. J. R. GODDARD, China.

The World to be Evangelized in our Generation.

REV. W. B. BOGGS, India.

Spiritual Life in the Old University.

H. C. MABIE, D.D., Boston.

The Missionary Problem.

G. W. NORTHRUP, D.D.

The Supreme Function of the Missionary.

H. C. MABIE, D.D.

In addition to these two meetings the following addresses were made during the Winter Quarter:

REV. A. J. STEELMAN, of the City of Mexico, on *Mexican Missions* (January 4).

Mexico as a field for mission work is important on account of its location, climate, people, and government. There are many encouragements to prosecute the work. A movement began among the Mexicans themselves to throw off the yoke of Roman Catholic superstition. Thousands of Bibles have been circulated. Thirteen different Missionary Societies are engaged in evangelizing the people, and about sixteen thousand communicants are enrolled in the evangelical churches.

REV. KARL VINGREN, of Western China, on *Mission Work in China* (February 1).

Mr. Vingren is the first missionary to China sent out by the Swedish Baptists. Three subjects were treated in his lecture: (1) The Customs of the Chinese; (2) their moral and religious life; (3) methods of missionary work and success.

DR. H. A. DELANO, First Baptist Church of Evanston, Ill., on *The Joy of Individual Work* (February 15).

"The way to reform ants is to become an ant and live in an ant-hill." "It is hard to fill jugs by throwing water at a distance."

The address was mainly occupied in illustrations of personal work, of the eagerness one might have as a messenger of joyful news, and of the efficiency with which one could win to a better life a degraded person through personal contact.

DR. WM. M. HAIGH and DR. A. K. PARKER, of the Home Mission Society, on *Churches and Missions among the Foreign Population of the Chicago Association* (March 1).

Twelve years ago there were only four churches in this district composed of the foreign population. Now there are twenty churches and missions. Nineteen missionaries are under commission from the Home Mission Society, and the annual salary list is about \$6,000. Of these missionaries eight are Swedes, two Norwegians, seven Germans, one Bohemian, and one Chinese.

THE VOLUNTEER BAND OF THE UNIVERSITY OF CHICAGO.

The Volunteer Band has continued to meet every Thursday at 5 P.M. in *Lecture Room, Cobb Lecture Hall*. In addition to the weekly meetings, the Band had the privilege of attending the missionary conference held at the University and in the different churches in the city. Sixteen of the members went to Detroit to attend the Volunteer Convention. They have also had one social gathering. The average attendance for the last quarter was ten. Three have signed the pledge since January 1.

EXERCISES IN THE UNIVERSITY CHAPEL.

CHAPLAINS DURING THE WINTER QUARTER.

Head Professor Albion W. Small. January 29-February 3.
Registrar H. B. Grose. February 5-10.
Head Professor Eri. B. Hulbert. February 12-17.
Head Professor G. W. Hale. February 19-24.
Assistant Professor Martha F. Crow. February 26-March 3.
Head Professor G. Anderson. March 5-10.
Professor H. P. Judson. March 12-17.
Head Professor Ernest D. Burton. March 19-24.
Assistant Professor A. H. Tolman. April 2-7.
Assistant Professor J. H. Tufts. April 9-14.
Head Professor G. W. Northrup. April 16-21.
Professor E. G. Hirsch. April 23-28.

CHAPEL ADDRESSES AND EXERCISES.

From January 1—March 23, 1894.

MR. MARTINUS SIEVEKING (pianist), Chicago. Thursday, January 4.
LADIES' ARION QUARTETTE, Chicago. Thursday, January 11.
BARON H. D. GARABEDYAN.
The Armenian Situation in Turkey. Friday, January 12.

CHARLES DAVIDSON (soprano), Chicago. Tuesday January 16.
MR. L. GASTON GOTTSCHALK (baritone), Chicago. Tuesday, January 23.
REV. P. S. HENSON, D.D., Chicago.
Decision. Friday, January 26.
MR. BERNHARD LISTEMANN (violinist), Chicago.
Bach's "Chacone." Monday, January 29.
FATHER J. O. S. HUNTINGTON, Westminster, Maryland.
The Temptation of Jesus. Tuesday, February 6.
J. G. JOHNSON, D.D., Chicago.
Power and Sacredness of Personality. Tuesday, February 13.
CHICAGO LADIES' STRING QUARTETTE, Chicago. Thursday, February 15.
PROFESSOR H. B. RIDGAWAY, D.D., Evanston.
Influence of Teachers. Friday, February 16.
MISS EMMA S. HUTCHINSON (pianist), Chicago. Tuesday, February 27.
SWAMI VIVEKANANDA, India.
Modern Schools of Hinduism. Thursday, March 1.
S. J. McPHERSON, D.D., Chicago.
Address. Tuesday, March 6.
MISS MARY P. THOMSON (pianist), Chicago. Thursday, March 8.
MR. AUGUST HYLLSTED (pianist), Chicago. Thursday, March 13.

MUSIC.

WARDNER WILLIAMS, *Reader in Music.*

University students are cordially invited to identify themselves with some one of the following musical organizations :

The Elementary Chorus.
The University Chorus.
The University Glee Club.
The University Orchestra.
The Mandolin Clubs.

UNIVERSITY VESPERS.

Vespers are held in connection with the University Quarterly Convocation.

The following Church Choirs have assisted :

St. Paul's Church, June 25, 1893.
First Presbyterian Church, December 10, 1893.
First Baptist Church, April 1, 1894.

UNIVERSITY CONCERTS.

Concerts have been given at the University upon the following dates : November 16, 1892 ; January 10, 1893 ; February 28, 1893 ; April 18, 1893 ; June 22, 1893 ; December 19, 1893.

The First Annual Concert by the University Glee Club and Mandolin Clubs was given at the *Central Music Hall*, March 6, 1894.

The FOLLOWING MUSICIANS have appeared at the University Chapel Exercise and on other occasions :

Miss May Acton, *Soprano*.
Mr. Charles D'Almini, *Violinist*.
Miss Charlotte Bennett, *Violinist*.
Miss Bertha Bingham, *Soprano*.
Miss Adèle Blamer, *Contralto*.
Miss Carrie Baenzinger, *Soprano*.
Mr. Grafton G. Baker, *Tenor*.
Mrs. Nellie Rider Crane, *Pianist*.
Miss Augusta Cuttlow, *Pianist*.
Miss Marthine M. Dietrickson, *Soprano*.
Master Charles Davidson, *Soprano*.

Mr. Marian Van Duyn, *Contralto*.
Mr. L. Gaston Gottschalk, *Baritone*.
Miss Louise Harford, *Contralto*.
Mr. George Ellsworth Holmes, *Bass*.
Mr. August Hyllsted, *Pianist*.
Miss Minnie Hughes, *Soprano*.
Mr. Henry C. Hullinger, *Violinist*.
Miss Nellie Howes, *Soprano*.
Miss Emma S. Hutchinson, *Pianist*.
Mr. Frederick Hess, *Violinist*.
Mr. S. E. Jacobson, *Violinist*.
Mr. Harold Knapp, *Violinist*.
Miss Katherine Jones, *Alto*.
Mr. Charles A. Knorr, *Tenor*.
Miss Georgia L. Kober, *Pianist*.
Mr. Emil Liebling, *Pianist*.
Miss Elsie B. Lincoln, *Soprano*.
Mr. Bernhard Listeman, *Violinist*.
Mr. Robert C. Mead, *Bass*.
Miss Anna V. Metcalf, *Soprano*.
Miss Kathryn Meeker, *Soprano*.
Mrs. Clara Murry, *Harpist*.
Mr. Edouard Remenyi, *Violinist*.
Miss Kate Richards, *Accompanist*.
Mr. George F. Root, Mus. Doc., *Address*.
Mrs. Ada M. Robb, *Soprano*.
Mr. William Richards, *Bass*.
Mr. William H. Sherwood, *Pianist*.
Miss Neally Stevens, *Pianist*.
Mr. Martinus Sieveking, *Pianist*.
Mr. Theodore Spiering, *Violinist*.
Miss Fern Shores, *Pianist*.
Mr. Walter Spry, *Pianist*.
Mr. Allen H. Spencer, *Pianist*.
Mr. W. C. E. Seeboeck, *Pianist*.
Mr. Charles P. Swift, *Baritone*.
Miss Mary P. Tompeon, *Soprano*.
Mr. A. H. Todd, *Tenor*.
Miss Elsie Webster, *Soprano*.
Mr. B. Bicknell Young, *Baritone*.
Mrs. Mezzacata Young, *Accompanist*.
Mrs. Fannie Bloomfield Zeisler, *Pianist*.
The Ladies Arion Quartette.
The Imperial Quartette.
The Jannotta Quartette.
The Chicago Ladies' String Quartette.
The Jacobson String Quartette.
The University Glee Club.
The University Orchestra.
The University Chorus.

THE UNIVERSITY HOUSES.

GRADUATE HALL.

Organization.—Head, CHARLES F. KENT; Counselor, Head Professor A. W. Small; House Committee, (the above *ex-officio*), Assistant Professor O. J. Thatcher, W. Hill, H. B. Learned, D. A. Walker, W. C. Wilcox; Social Committee, F. Schwill, J. Cummings, C. J. Conger, T. G. Soares, A. E. McKinley.

MEMBERS.

Bachellé, C. V., Boyd, C. S., Boyd, J. H., Caraway, H. R., Carroll, P. P., Conger, C. J., Cummings, J., Dickie, H., Farr, M. S., Herrick, R. W., Hill, W., Hubbard, H. D., Hymen, J. B., Ikuta, M., Jones, S. L., Kent, C. F., Lovett, R. M., Learned, H. B., McKinley, A. E., Murphy, H. C., Sanders, F. W., Schwill, F., Soares, T. G., Squires, V. P., Thatcher, O. J., Triggs, O. L., Tunell, G., Walker, A. F., Walker, D. A., White, H. K., Wilcox, W. C.

GUESTS.

Chamberlin, J. C., Edwards, T. A., Goodman, C. A., Mandel, E. F.

EVENTS IN THE HISTORY OF THE HOUSE.

At a meeting of the House, held January 9, the three vacancies on the House Committee were filled by the election of Messrs. Hill, Walker, and Wilcox. A Social Committee of five was appointed to coöperate in promoting the social life of the House. The House was presented by the Counselor, Head Professor A. W. Small, with a fine china set, including glasses, knives, and spoons. A weekly Sunday Evening at Home, from 8:30-10:30, for the members of the House, at which light refreshments are served, has become one of the most enjoyable institutions of the House life.

SNELL HOUSE.

Snell House was organized at a meeting held in the University Chapel October 4, 1893. The officers are: Head of House, A. A. STAGG; Counselor, Professor H. P. Judson; House Committee, J. Lamay, J. E. Raycroft, P. Rand, and H. C. Lozier; Treasurer, P. F. Carpenter. Mr. Carpenter was elected to fill the vacancy caused by the resignation of William Rullkoetter.

MEMBERS.

Carpenter, P. F., Church, H. B., Crouse, D. H., Dickerson, S. C., Dibell, C. D., Grant, G. K., Hartley, C. E., Harvey, S., Hering, F. E., Hoebeke, C. J., Hoscic, J. H., Hulshardt, J., Hunter, J. F., Jone, H., Kohlsaadt,

P., Lamay, J., Leiser, J., Liebenstein, S. C., Linn, J. W., Macomber, C. C., Miller, R. N., Mosser, I. C., Munhardt, W., Nichols, F. D., Peterson, H. A., Raycroft, J. E., Rullkoetter, W., Sass, L., Shallis, G. W., Schnelle, F. O., Sperans, J., Tanaka, K., Tooker, R. N., Wieland, O. E., Williams, C. L., Williams, J., Williams, J. W., Wilson, W. O., Wyant, A. M. Total, 39.

THE CHIEF EVENT IN THE HISTORY OF THE HOUSE

Was the formal opening of the Club Room on Monday, January 22, when a reception was given. This room has been beautifully finished with oak wainscoting and oak floor, the result of a donation of \$250.00 from the Board of Trustees.

The membership of the House was reduced by about twenty at the close of last Quarter from various causes, principally on account of the exceedingly low rates at which rooms could be secured outside. The House drew up and presented a resolution to the Board of Trustees which received favorable attention by the reduction of the prices of rooms 12½ per cent. The house has decided to hold a reception on the fourth Monday afternoon of each month. Two have already been given, on January 22, and February, 26. The boys turned out en masse on the week preceding spring examinations and converted a portion of the ground in front of Snell into two very good tennis courts.

BEECHER HOUSE.

Organization.—Heads, MISSES ELIZABETH WALLACE and FRANCES BROWN; Counselor, Assistant Professor Frank Miller; House Committee, Misses Mitchell, Scofield, Williston, Wallace, and Brown.

MEMBERS.

Misses Agerter, Battis, Brown, Clark, Cornish, Crandall, Crotty, Cutler, Davis, Dawes, Farr, Foster, Gilbert, E. T., Gilpatrick, Goodspeed, Mrs. Gray, Misses Heron, Hubbard, Kerr, Klock, Livingstone, McCasky, Maynard, Mitchell, Osgood, Porter, Reese, Scofield, Sturgis, Thompson, Van Vliet, Wallace, Wallin, Wilmarth, Williston, Wolfe, Wollpert.

ELECTED FEBRUARY 26.

Misses Smith, Stanton, Tunnickliff (who were guests during the first term. Total, 40.

TREASURER'S REPORT.

Received for guest room-rent during January, \$3.00; February, \$8.00. Total, \$11.00.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

Official receptions were held on the first Monday of each month.

A party in honor of the young ladies of Beecher House was given in the House by Mrs. Wilmarth and Miss Wilmarth. Mrs. Beecher entertained at her home one evening the members of the House.

A parlor lamp and tea table with furnishings were presented to the House by Mrs. W. B. Walker, and a photograph of the Sistine Madonna was given by Mr. Thurber.

NANCY FOSTER HOUSE.

Organization.—Head, Miss MYRA REYNOLDS; Counselor, W. D. McClintock; House Committee, Laura A. Jones, Florence Walker, Mary Scarff; Entertainment Committee, Grace Jackson, Jane K. Weatherlow, Anna Beardsley, Agnes Cook, Marion Morgan; Convenience Committee, Gertrude P. Dingee, Mary Spalding, Josephine Hutchings. The head of the House is *ex officio* member of all committees. Secretary and Treasurer, Gertrude P. Dingee.

MEMBERS.

Misses Austin, Barrett, Beardsly, Blaine, Bowen, Cook, Crafts, Daniels, Deaton, Dingee, Dougherty, Downing, Ellis, Fenelon, Foster, Grant, Hancock, Hardy, Hopkins, Hubbard, Hutchings, Jackson, Jones, Kells, Loesch, Love, Marot, Morgan, Nelson, Niblock, Reynolds, Scarff, Schwartz, Spalding, Stebbins, Strawn, Taylor, Teft, Walker, Weatherlow, Witt.

GUESTS.

Bennett, Danforth, Graves, Eva; Graves, Laura; Sherman.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

Three Monday receptions; meeting of Semitic Club; reception to members of the Social Settlement.

KELLY HOUSE.

Organization.—Head, Miss MARION TALBOT; Counselor, Professor J. Lawrence Laughlin; House Committee, Misses Lathe, Runyon, Pettigrew, Messick, M. E. McWilliams, Purcell.

MEMBERS (RESIDENT).

Misses Butler, Cary, Mrs. Clark, Misses Dirks, Diver, Fly, Johann, Kane, Kennedy, Lathe, McClintock, MacDougall, A. McWilliams, M. E. McWilliams, Messick, Pellett, Perkins, Pettigrew, Purcell, Robertson, Runyon, Start, Talbot, Woodward.

MEMBERS (NON-RESIDENT).

Misses Comstock, C. Hulbert, Roche, Sylla.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

1. Receptions on January 8, February 12, and March 12.
2. Entertainment of visiting Chemists, January 1.
3. St. Valentine's party, February 14.
4. Fancy dress party, February 17.
5. Dinner to University Glee Club, February 22.
6. Entertainment of University Extension guests on March, 26 and 27.
7. Weekly prayer meetings on Wednesday evenings.

REGISTRAR'S CASH STATEMENT.

FOR THE WINTER QUARTER, 1894.

RECEIPTS.

Tuition fees	-	-	-	-	\$11,680	24
Matriculation fees	-	-	-	-	405	00
Examination fees	-	-	-	-	350	00
Incidental fees	-	-	-	-	1,405	25
Library fees	-	-	-	-	1,405	25
Men's Commons	-	-	-	-	640	25
Women's Commons	-	-	-	-	4,395	36
Room rents	-	-	-	-	5,849	31
Divinity Hall, heat, light and care	-	-	-	-	627	50
University Extension	-	-	-	-	7,831	02
Library fines	-	-	-	-	12	10
Chemical Laboratory fees	-	-	-	-	180	94
Biological	-	-	-	-	25	55
Furniture tax	-	-	-	-	382	76
Affiliated School examinations	-	-	-	-	46	76
Diplomas	-	-	-	-	20	00

835.237 29

ROOM RENTS ITEMIZED.

Foster Hall	-	-	-	-	\$1,208	33
Kelly Hall	-	-	-	-	1,003	83
Beecher Hall	-	-	-	-	1,394	50
Snell Hall	-	-	-	-	1,124	65
North Hall	-	-	-	-	1,018	00

85,849 31

DISBURSEMENTS.

Treasurer -	-	-	-	-	\$35,233 29
Room rent rebate	-	-	-	-	4 00

835,237 29

THE EMPLOYMENT BUREAU.

REGISTRATION.

SCHOOL.	NUMBER REGISTERED.	RECEIVED WORK.	RECEIVED NO WORK.
Graduate, -	34	23	11
Colleges, -	39	24	15
Divinity, -	10	5	5
Special, -	7	4	3
	—	—	—
	90	56	34

MISCELLANEOUS.

Average amount earned in each situation, - \$35.16
Number receiving more than one situation, - 9

Of the 34 not receiving work, there were:

19 Registered for later work only.

7 Registered for special teaching only.

OCCUPATIONS AND EARNINGS.

OCCUPATION.	NUMBER ENGAGED.	TOTAL AM'T EARNED.
Tutoring, - - -	9	\$113 50
Public School Teaching -	9	1,170 00
Commons Work - - -	15	115 96
Building and Grounds -	3	12 20
Clerking - - -	8	498 00
Stenography and Typewriting	6	170 20
Hotel and Housework -	7	70 10
Paper Carrying - -	2	24 00
Newspaper Correspondence,	1	99 50
Canvassing - - -	5	12 00
Total - - -	65	\$2,285 46

THE STUDENT'S FUND SOCIETY.

Loans Recommended:

1) Graduates	-	-	-	-	-	6
2) University Colleges	-	-	-	-	-	1
3) Academic Colleges	-	-	-	-	-	4
Applications withdrawn	-	-	-	-	-	5
Applications rejected	-	-	-	-	-	4
Total	-	-	-	-	-	20

Number of students receiving loans during the Quarter - - - -

Amount loaned	-	-	-	-	\$15,29.57
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Report of Committee of Students' Fund Society :

Applications Received:

a) Filed in Autumn Quarter as per last report - - - - - 18

b) New applications :

1) University Colleges	-	-	-	1
2) Academic Colleges	-	-	-	1 2

2) Academic Colleges	-	-	-	1	2
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Total	20
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The University Extension Division.

THE LECTURE-STUDY DEPARTMENT.

NATHANIEL BUTLER, JR., *Secretary.*

COURSES OFFERED DURING THE WINTER QUARTER.

II. POLITICAL ECONOMY.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.
Questions of Monopoly and Taxation.
Money.

III. POLITICAL SCIENCE.

MISS BROWN.

The United States ; The Making of a Nation.

MR. CONGER.

Historical and Political Geography.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.
The Ethnic Foundation of Modern Civilization.
Political Foundation of Modern Civilization.

ASSISTANT PROFESSOR THATCHER.

The History of the Middle Ages.
Mohammed, Mohammedanism, and the Crusades.

MR. GROSE.

The Political Development of the European Nations
since 1792.
The Founding of the German Empire of To-Day.
Studies in the History of Europe from the French
Revolution to the Present Time.
Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

MR. HODGIN.

American Discovery and Colonization.
American Revolutionary History.
The Great Compromises.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.
The Making of the Nation.

MR. WISHART.

Monks and Monasteries.

V. SOCIAL SCIENCE AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

ASSISTANT PROFESSOR HENDERSON.

Charities and Corrections.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.
The Native Races of North America.
Prehistoric Archaeology of Europe.
Evolution.

MR. ZEUBLIN.

A Century of Social Reform.
The Industrial Revolution.
English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Christianity and Social Science.
Means of Social Reform.

VII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

X AND XI. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.
Homer, the Iliad.
Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

DR. MILLER.

Virgil.

XIII. GERMANIC LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR CUTTING.
Goethe.

XIV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.
Studies in Biblical Literature.
Ancient Tragedy for English Audiences.
Stories as a Mode of Thinking.
Spenser's Legend of Temperance.
Literary Criticism and Theory of Interpretation.
Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.
Preliminary Course in English Literature.
American Literature.

ASSISTANT PROFESSOR CROW.
Literature of the Age of Elizabeth. A Course
Preparatory to the Study of Shakespeare.
George Meredith.

ASSISTANT PROFESSOR TOLMAN.
Studies in English Poetry.

ASSISTANT PROFESSOR MCCLINTOCK.
Introduction to the Study of Literature.
English Romantic Poets from 1780 to 1830.

MR. TRIGGS.
Robert Browning.

MR. HOOPER.
American Prose Writers.
American Poets.

MR. OGDEN.
English Words.
History and Structure of English Speech.
Old English Life and Literature.
American Poets and Poetry.

MISS CHAPIN.
General Survey of American Literature.
Masterpieces of English Poetry.

XV. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR BURTON.
The Second Group of Paul's Letters.

PROFESSOR HIRSCH.
Religion in the Talmud.
The Jewish Sects.
Biblical Literature.
History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.
The Forgotten Empire and the Old Testament.

ASSISTANT PROFESSOR THATCHER.
The Apostolic Church.

DR. KENT.
Hebrew Prophecy studied in the Light of the Minor Prophets.
Social Philosophy of the Hebrews.
Hebrew Wisdom Literature.

DR. RUBINKAM.
The Five Megilloth (Rolls).

MR. VOTAW.
Some Aspects of the Life of Christ.
Sources and Relations of the Four Gospels.
Jewish and Christian Writings parallel with, but excluded from, Our Bible.

MR. ROOT.
The Life of Christ.

XVII. ASTRONOMY.

DR. SEE.
General Astronomy.

XVIII. PHYSICS.

ASSISTANT PROFESSOR STRATTON.
Sound.

MR. BELDING.
Elements of Electricity and Magnetism.

MR. CORNISH.
Hydrostatics and Pneumatics.

XIX. CHEMISTRY.

MR. MORSE.
General Chemistry.
Chemistry of Every-day Life.

XX. GEOLOGY.

PROFESSOR SALISBURY.
Landscape Geology.
The Evolution of the North American Continent.

XXII. ZOÖLOGY.

MR. BOYER.
Zoölogy.

MICROSCOPY.
MR. MORSE.
 The Microscope and its Uses.

ART.
MR. FRENCH.
 Painting and Sculpture.
MR. TAFT.
 Ancient Sculpture.
 Contemporary French Art.

German Art of the Nineteenth Century.
Art at the Columbian Exposition.

MR. SCHREIBER.
 History of Art.

RUSSIAN LITERATURE.
DR. HOURWICH.
 Studies in Russian Literature.

LIST OF SYLLABI PUBLISHED DURING THE QUARTER.

- | | |
|--|---|
| 51. BEMIS— <i>Questions of Monopoly and Taxation.</i> | 54. STARR— <i>Early Man in Europe.</i> |
| 52. HARPER— <i>The Stories of Genesis.</i> | 55. WEBSTER— <i>The Making of a Federal Republic.</i> |
| 53. MCCLINTOCK— <i>The English Romantic Poets—1780-1830.</i> | |

LIST OF CENTRES, With Address of Secretaries.

CENTRES IN CHICAGO.

- | | |
|--|--|
| All Souls—Mrs. E. T. Leonard, 6600 Ellis av. | Newberry Library—Mr. George L. Hunter, Hotel Barry. |
| Association—Mr. C. D. Lowry, 143 Park av. | Oakland—Mr. J. A. Burhans, 204 Oakwood Boul. |
| Chicago Kindergarten Club—Miss Mary J. Miller, 2535 Prairie av. | Owen Scientific—Dr. C. E. Bently, 277 State st. |
| Chicago Trade and Labor Assembly—Mr. M. R. Grady, 478 Marshfield av. | Plymouth—Dr. C. E. Boynton, Hotel Everet, 3617-23 Lake av. |
| Church of the Redeemer—Hon. S. N. Brooks, 271 Warren av. | People's Institute—Mr. W. G. Clarke, 54 Campbell Park. |
| Centenary—Mr. A. E. Trowbridge, 97 Laflin st. | Ravenswood—Mr. M. L. Roberts. |
| Drexel—Mr. C. L. Clapp, 5431 Cottage Grove av. | Robey St.—Mr. Howard E. Hall, 250 Warren av. |
| Englewood—Rev. R. A. White, 6638 Stewart av. | Sinai—Miss Rose G. Kauffman, 3313 Calumet av. |
| Hull House—Miss Jane Addams, 335 S. Halsted st. | St. James—Miss Minnie R. Cowan, 2975 Wabash av. |
| Hyde Park—Mr. C. H. Smith, 4608 Lake av. | St. Paul's—Miss Sarah Hanson, Cottage Grove av. and 31st st. |
| Irving Park—Mrs. Ernest Pitcher. | Tracy—Mr. T. A. Dungan, 159 La Salle st. |
| Kenwood—Mr. Chas. Loughridge, 4728 Greenwood av. | Union Park—Dr. G. F. Washburne, 551 Jackson Boul. |
| K. A. M. Knowledge Seekers—Rev. I. S. Moses, 3131 Prairie av. | University—Mr. O. J. Thatcher, The University of Chicago. |
| Lake View—Mr. Frank H. McCulloch, 1113 The Rookery. | Wicker Park—Miss A. A. Deering, 23 Ewing Place. |
| Millard Av.—Miss Jessie Stiles, 1804 W. 22d st. | Woodlawn—Rev. W. R. Wood, 6231 Sheridan av. |
| Memorial—Mrs. L. A. Crandall, 4443 Berkley av. | |

CENTRES OUTSIDE OF CHICAGO.

- | | |
|--|--|
| Aurora (Ill.)—Mrs. Agnes C. Willey. | Blue Island (Ill.)—Mr. W. A. Blodgett. |
| Austin (Ill.)—Mr. S. R. Smith. | Canton (Ill.)—Supt. C. M. Bardwell. |
| Arlington Heights (Ill.)—Mr. W. A. Newton, Box 35. | Detroit (Mich.)—Mr. H. A. Ford, 393 Second av. |
| Belvidere (Ill.)—Miss Emma Feakins. | Decatur (Ill.)—Mr. James Lindsay. |

Dubuque (Ia.)—Miss E. E. Gehrig, 1036 White st.
 Elgin (Ill.)—Miss Hattie B. Kneeland.
 Freeport (Ill.)—Mr. J. F. Shaible.
 Flint (Mich.)—Miss Emily E. West.
 Galesburg (Ill.)—Pres. John H. Finley.
 Galena (Ill.)—Miss Kate A. McHugh.
 Geneseo (Ill.)—Mrs. W. H. Foster.
 Geneva (Ill.)—Mr. H. H. Robinson.
 Glencoe (Ill.)—Mrs. R. D. Coy.
 Highland Park (Ill.)—Maj. H. P. Davidson.
 Indianapolis (Ind.)—Miss Amelia W. Platter, 275 N.
 Meridian st.
 Joliet (Ill.)—Miss Eva B. Crowe.
 Kalamazoo (Mich.)—Mr. S. O. Hartwell.
 La Moille (Ill.)—Mr. G. R. Lewis.
 Lemont (Ill.)—Mr. S. V. Robbins.
 La Salle (Ill.)—Miss Emma Werley.
 La Porte (Ind.)—Miss Bessie Hailman.
 La Fayette (Ind.)—Miss Helen Hand.
 Lincoln (Ill.)—Rev. J. S. Wrightnour.
 Maywood (Ill.)—Mr. P. W. Skemp.
 Minneapolis (Minn.)—Miss S. F. Watts.
 Morgan Park (Ill.)—Mr. R. B. Thompson.
 Monmouth (Ill.)—Miss Mollie Wallace.
 Oak Park (Ill.)—Miss Virginia R. Dodge.

Osage, (Ia.)—Rev. W. W. Gist.
 Palatine (Ill.)—Miss Vashti Lambert.
 Peoria (Ill.)—Mr. W. A. Brubaker.
 Pekin (Ill.)—Miss S. Grace Rider.
 Princeton (Ill.)—Mr. R. A. Metcalf.
 Quincy (Ill.)—Mr. E. A. Clarke.
 Riverside (Ill.)—Mr. A. W. Barnum.
 Rockford (Ill.)—Mrs. G. A. Sanford, 407 N. Main st.
 Rochelle (Ill.)—Mr. C. F. Philbrook.
 Rogers Park (Ill.)—Mr. Frank Brown.
 Round Table (Kankakee, Ill.)—Mr. A. Swannell.
 Saginaw (Mich.)—Prof. W. W. Warner, 414 S. Jeffer
 son av. E. S.
 South Bend (Ind.)—Mrs. E. G. Kettring.
 South Evanston (Ill.)—Mrs. W. M. Green.
 Springfield (Ill.)—Supt. J. H. Collins.
 Sterling (Ill.)—Mr. Curtis Bates.
 Shurtleff College (Upper Alton, Ill.)—Dr. A. A. Ken
 drick.
 St. Charles, (Ill.)—Prof. H. C. Wilkinson.
 Terre Haute (Ind.) State Normal School—Mr. A. R.
 Charman.
 Toledo (Ohio)—Miss Nellie Donat.
 Washington (Ia.)—Rev. Arthur Fowler.
 Wheaton (Ill.)—Mr. Geo. Brewster.

DISTRICT ASSOCIATIONS.

Cook County Association—Mr. George Leland Hunter,
 Hotel Barry, Hyde Park.

Northern Illinois Association—Miss Flora Guiteau
 Freeport, Ill.

STATEMENT OF WORK OF QUARTER.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
All Souls	A. W. Small	First Steps in Sociology	Jan. 7	200	...	...	...
Drexel	R. G. Moulton	Ancient Tragedy for English Audiences	Jan. 2	225	100	27	2
Englewood	H. B. Grose	Sunday Bible Readings	" 7	200	...	...	...
Hyde Park	Lorado Taft	Contemporary French Art	" 25	95	30	...	...
Kenwood	H. B. Grose	Character Studies in Modern History	Feb. 26	250	100	...	...
Memorial	A. W. Small	First Steps in Sociology	Jan. 8	...	...	...	...
Newberry Library	W. R. Harper	The Early Stories of Genesis	" 6	650	...	...	...
People's Institute	R. G. Moulton	Ancient Tragedy for English Audiences	" 5	180	100	177	11
Plymouth	B. S. Terry	Evolution of a Typical European Monarchy	" 8	80	41	50	3
Robey St.	R. G. Moulton	Sunday Bible Readings	" 7	350	...	...	...
St. James	Chas. F. Kent	Ancient Tragedy for English Audiences	" 8	200	100	50	4
St. Paul's	R. G. Moulton	Ancient Tragedy	" 16	100	60	...	...
Trade and Labor	R. G. Moulton	Sunday Bible Readings	" 16	200	100	97	17
Union Park	E. W. Bemis	The Labor Question	Feb. 18	300	...	...	...
University	Nathaniel Butler	Some Studies in American Literature	Jan. 14	50	45	5	...
Wicker Park	R. G. Moulton	Ancient Tragedy	Feb. 20	123	23	9	2
Woodlawn	Nathaniel Butler	Some Studies in American Literature	Jan. 3	400	40	300	28
	F. W. Shepardson	Social Life in the American Colonies	Feb. 27	80	60	...	...
			Mar. 29	90	90	19	2

CENTRES OUTSIDE OF CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Blue Island	R. D. Salisbury	Landscape Geology	Jan. 11	150	125	5	1
Canton	Frederick Starr	Some First Steps in Human Progress	Feb. 16	130	100	...	...
Dubuque	W. D. McClintock	English Romantic Poetry	Jan. 23	...	...	...	...
Elgin	E. W. Bemis	Questions of Monopoly and Taxation	" 23	72	55	...	...
Galesburg	Frederick Starr	Early Man in Europe	Feb. 2	600	400	8	4
Geneseo	Lorado Taft	Contemporary French Art	Jan. 16	175	100	...	...
Glencoe	F. W. Shepardson	Social Life in the American Colonies	" 26	80	...	...	...
Joliet	Chas. Zeublin	English Fiction and Social Reform	Feb. 6	175	150	15	...
Kankakee	F. W. Shepardson	Social Life in the American Colonies	" 8	90	90	12	2
La Moille	W. C. Webster	The Making of a Federal Republic	" 16	75	60	10	...
Lincoln	Nathaniel Butler	American Literature	" 23	...	...	...	...
Pekin	F. W. Shepardson	Social Life in the American Colonies	" 2	120	75	131	10
Princeton	Chas. Zeublin	English Fiction and Social Reform	" 12	125	115	10	2
Quincy	E. W. Bemis	Some Methods of Social Reform	" 8	90	80	8	1
South Bend	Lorado Taft	Art of the Columbian Exposition	Jan. 24	...	...	...	...
Springfield	Nathaniel Butler	American Literature	Feb. 22	155	145	10	2
Sterling	H. P. Judson	Period of Dominant Internal Development	" 23	90	60	6	...
Washington	E. W. Bemis	The Labor Question	" 9	120	110	5	...

THE CLASS-WORK DEPARTMENT.

PLACE.	DATE OF BEGINNING.	DATE OF ENDING.	SUBJECT.	INSTRUCTOR.	NO. STUDENTS.	NO. MATRICULATIONS.
Athenæum	Jan. 6	June	Psychology	Dr. Mezes	5	5
"	"	"	Political Economy	Mr. Hill	5	2
University	Jan. 19	"	"	Mr. Hill	14	12
Athenæum	Jan. 5	"	Political Science	Mr. Wilcox	2	..
"	Jan. 6	March	Modern History	Dr. Schwill	3	2
"	Feb. 10	April	Latin	Dr. Miller	14	2
"	Jan. 6	March	French	M. De Poyen-Bellisle ..	4	2
"	"	"	The Elements of Literature.	Professor McClintock.	22	14
University	"	"	Nineteenth Century Liter..	Mr. Triggs	6	..
Athenæum	"	June	Rhetoric and English	Mr. Lovett	6	2
University	Jan. 3	March	Algebra	Mr. Huff	3	..
Athenæum	Jan. 5	June	General Astronomy	Dr. See	3	..
"	Jan. 6	March	Botany	Mr. Mitchell	4	2
"	Jan. 4	"	Elementary Zoölogy	Mr. Boyer	14	6
University	Feb. 23	"	Geometry	Mr. Huff	4	..

Total No. of Classes..... 15

Total No. of Matriculations..... 49

CORRESPONDENCE TEACHING DEPARTMENT.

Number of courses offered, 88.

ACADEMY AND ACADEMIC COURSES.

UNIVERSITY COLLEGES.

NAME OF COURSE.	INSTRUCTOR AND READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.	NAME OF COURSE.	INSTRUCTOR.	READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Latin.	Miss Pellett.	13	75					
Greek.	Mr. Bronson.	4	46					
Mathematics.	Dr. Hoover.	17	50					
Pol. Economy.	Dr. West.	3	20					
Rhetoric.	Mr. Lovett.	5	36	Psychology.	Asst. Prof. Strong.	Mr. Sisson.	7	20
Eng. Literature.	Asst. Prof. McClintock.	12	98	Logic.	Asst. Prof. Tufts	Asst. Prof. Tufts.	1	6
Tennyson and Browning.	Mr. Trigga.	2	4	Latin.	Asst. Prof. Miller.	_____	1	12
Hist. of the Middle ages.	Asst. Prof. Thatcher.	5	22	Bib. Lit. in Eng.	_____	Mr. Woodruff	101	25
Hist. of the U. S.	Dr. Shepardson.	6	30	Semitic Languages.	_____	Dr. Crandall.	201	370
German.	Mr. Mulfinger.	1	1	Arabic.	Dr. Sanders.	Dr. Sanders.	2	40
Roman History.	Asst. Prof. Miller.	1	1	N. T. Greek.	_____	Mr. Votaw.	58	268

GRADUATE AND DIVINITY COURSES.

SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS	SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS.
Philosophy.	Asst. Prof. Tufts.	2	Mathematics.	Prof. Moore.	4
Political Science	Prof. Judson.	5	Mathematics.	Dr. Hoover.	4
American History.	Dr. Shepardson.	1	Greek.	Prof. Shorey.	1
Social Science.	Assoc. Prof. Henderson.	3	German.	Assoc. Prof. Cutting.	2
	Miss Talbot.	1	French.	M. De Poyen.	1
Geology.	Prof. Chamberlin.	1	Anthropology.	Asst. Prof. Starr.	1

LIBRARY DEPARTMENT.

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ADDITIONS TO THE UNIVERSITY EXTENSION LIBRARY.

II. POLITICAL ECONOMY.

Edward W. Bemis, Questions of Monopoly and Taxation. 1 Library of 30 vols. Winter Quarter.

IV. HISTORY.

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Francis W. Shepardson, Social Life in American Colonies. 2 Libraries of 62 vols. each.

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Alfred W. Wishart, Monks and Monasteries. 1 Library of 30 vols.

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Albion W. Small, First Steps in Sociology. 2 Libraries of 50 vols. each.

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Nathaniel Butler, American Literature. 3 Libraries of 89 vols.

XV. BIBLICAL LITERATURE IN ENGLISH.

Charles F. Kent, Hebrew Prophecy. 2 Libraries of 50 vols. Winter Quarter.

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Frank L. Morse, General Chemistry. 1 Library of 17 vols.

XX. GEOLOGY.

Rollin D. Salisbury, Landscape Geology. 1 Library of 26 vols.

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W. M. R. French, Painting and Sculpture. 1 Library of 21 vols.

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LIBRARY STATISTICS.

Total number of volumes in the University Extension Library, January 1, 1884.	940
Number of volumes added since January 1	689
Number of volumes in use during the Winter Quarter	890
Number of volumes sold	50

THE EDITORIAL DEPARTMENT.

THE UNIVERSITY EXTENSION WORLD is now in its third volume. It is published monthly and contains, beside the official statements of the University Extension Division, a varied range of matter which is of

interest to University Extension organizers and others who are identified with the University Extension work.

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General Library, 2979 vols.; Philosophy, 43 vols.; Political Economy, 79 vols.; Social Science, 36 vols.; Anthropology, 29 vols.; Comparative Religion, 7 vols.; Semitic, 92 vols.; New Testament, 31 vols.; Philology, 32 vols.; Greek, 71 vols.; Latin, 5 vols.; Romance, 57 vols.; German, 35 vols.; English, 95 vols.; Mathematics, 131 vols.; Physics, 101 vols.; Chemistry, 2 vols.; Geology, 314 vols.; Biology, 155 vols.; Zoology, 9 vols.; Palæontology, 15 vols.; Botany, 5 vols.; Anatomy, 4 vols.; Physiology, 26 vols.; Neurology, 1 vol.; Systematic Theology, 98 vols.; Homiletics, 12 vols.; Church History, 171 vols.; Scandinavian Dept., 67 vols.; Political Science, 35 vols.

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Books added by exchange for University Publications, 53 vols.

Distributed as follows:

Journal of Political Economy, 35 vols.; Journal of Geology, 5 vols.; University Extension World, Pamphlets —; Biblical World, 13 vols.

Library Correspondence.

Total number of post-office letters sent from the Librarian's office, 613.

Letters soliciting books for review, exchange with University Publications and general business, as follows: Foreign, 98; United States, 515; Postals, 84; Gift Notices, 235 Fine notices, 96; Postals.

Money collected on Library fines for the Quarter, \$15.00.

The University Press.

THE PUBLISHING DEPARTMENT.

PERIODICALS ISSUED FROM THE UNIVERSITY PRESS.

JANUARY-MARCH, 1894.

THE JOURNAL OF POLITICAL ECONOMY.

Quarterly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 75 cents.

Number issued, 1,000; number of subscribers, 318; additions to subscription list during the quarter, 50.

Vol. II, No. 2, March, 1894. pp. 179-347.

The Assignats, by E. Levasseur.—*Mortgage Banking in America*, by D. M. Frederiksen.—*Rate of Profits under the Law of Labor-value*, by Isaac A. Hourwich.—*Debate on the National Bank Act of 1863*, by John Wilson Million.—NOTES.—*Miscellanies: Changes in Railway Transportation Rates: Russia in the International Market: Votes on the McKinley and Wilson Bills: Trade Unionism and the Type-Setting Machine: The Convention of the American Federation of Labor.*—BOOK REVIEWS.—APPENDICES.—I. Examples Illustrating the Relation between Wages and Surplus Value.—II. Josiah Tucker and His Writings.

THE JOURNAL OF GEOLOGY.

Eight numbers yearly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 50 cents.

Number issued, 600; number of subscribers, 286; additions to subscription list during the quarter, 82.

Vol. II, No. 1, January-February. pp. 1-122.

The Distribution of Ancient Volcanic Rocks along the Eastern Border of North America; Plate I, by George H. Williams.—*Revolution in the Topography of the Pacific Coast since the Auriferous Gravel Period*, by J. T. Diller.—*The Name "Newark" in American Stratigraphy: A Joint Discussion*, by G. K. Gilbert, B. S. Lyman.—*An Abandoned Pleistocene River Channel in Eastern Indiana*, by Charles S. Beachler.—STUDIES FOR STUDENTS: *Physical Geography in the University*, by Wm. M. Davis.—EDITORIALS.—REVIEWS: *Rügen, Eine Inselstudie*, Dr. RUDOLF CREDMER, by Wm. M. Davis.—ANALYTICAL ABSTRACTS OF CURRENT LITERATURE.—SUMMARY OF CURRENT PRE-CAMBRIAN NORTH AMERICAN LITERATURE.—ACKNOWLEDGMENTS.

Vol. II, No. 2, February-March, 1894. pp. 123-238.

The Glacial Succession in Norway, by Andr. M. Hansen.—*Dual Nomenclature in Geological Classification*, by Henry Shaler Williams.—*Origin and Classification of the Greensands of New Jersey*, by William Bullock Clark.—*The Nature of Coal Horizons*, by Charles Rollin Keyes.—*The Arkansas Coal Measures in their Relation to the Pacific Carboniferous Province*, by James Perrin Smith.—*Pseudo-Cole*, by T. C. Chamberlin.—*Note on the English Equivalent of Schuppenstruktur*, by William H. Hobbs.—*Geological Surveys in Missouri*, by Arthur Winalow.—EDITORIALS.—REVIEWS: *The Economic Geology of the United States*, R. S. TARR, by R. A. F. Penrose, Jr.—*The Canadian Ice Age*, SIR J. WILLIAM DAWSON, by T. C. Chamberlin.—*The Post-Plio-*

cene Diastrophism of the Coast of Southern California, ANDREW C. LAWSON, by Rollin D. Salisbury.—ANALYTICAL ABSTRACTS OF CURRENT LITERATURE.—*Ein typisches Fjordthal*, Erich von Drygalski, 239.—*A Preliminary Report on the Cretaceous and Tertiary Formations of New Jersey*, William Bullock Clark, 239.—*The Pleistocene Rock Gorges of Northwestern Illinois*, Oscar H. Hershey, 240.—*Notes on the Sea-Dikes of the Netherlands*, Prof. J. C. Smock, 241.

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Number issued, 2,500; number of subscribers, 1,545; additions to subscription list during the quarter, 681.

Vol. III, No. 1, January, 1894. pp. 1-80.

EDITORIALS.—*The First Hebrew Story of the Creation*, by William R. Harper.—*The Babylonian Account of Creation*, by W. Muss-Arnolt.—*How much do I Study the Bible, and How?* by The Reverend Thomas C. Hall, D.D.—*Beliefs of a Brother*, by Prof. Richard M. Smith.—*Jesus' Idea of the Kingdom of God*, by Prof. A. C. Zenos, D.D.—COMPARATIVE-RELIGION NOTES.—THE BIBLE IN COLLEGE: *A New Professorship in Hebrew*.—THE BIBLE IN THE SUNDAY SCHOOL.—EXPLORATION AND DISCOVERY: *The Vapor Bath of Ghantaur*, Dean A. Walker.—NOTES AND OPINIONS.—SYNOPSIS OF IMPORTANT ARTICLES.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. III, No. 2, February, 1894. pp. 81-160.

EDITORIAL.—*Rome in Paul's Day*, by Prof. H. F. Burton.—*The Origin of Man and his First State of Innocence*, by William R. Harper.—*The Chaldean Account of the Deluge*, by W. Muss-Arnolt.—*On the Need of a Systematic Study of Religion*, by Edmund Buckley.—COMPARATIVE-RELIGION NOTES.—EXPLORATION AND DISCOVERY: *Recovery of a Roman Milestone*, by Dean A. Walker.—NOTES AND OPINIONS.—SYNOPSIS OF IMPORTANT ARTICLES.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. III, No. 3, March, 1894. pp. 161-240.

EDITORIAL.—*The Theology of Paul and of John compared*, by Prof. Geo. B. Stevens, Ph.D., D.D.—*Paradise and the First Sin*, Genesis III, by William R. Harper.—*Hinduism's Points of Contact with Christianity*, by Merwin-Marie Snell.—*The Duty of Man as taught by the Book of Proverbs*, by Charles F. Kent.—*Wisdom in teaching Critical Results*, by Prof. F. B. Denio.—COMPARATIVE-RELIGION NOTES.—NOTES AND OPINIONS.—SYNOPSIS OF IMPORTANT ARTICLES.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

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Number issued, 1,000; number of subscribers, 149; additions to subscription during the quarter, 22.

Vol. III, No. 1, January, 1894. pp. 1-34.

Frontispiece. W. H. Morrison.—EDITORIAL.—*University Extension in the smaller Cities and Towns*, by Ralph E. McDuff.—*Science and Literature*, by George Hes.—*Relation of Farmer's Institutes to University Extension*, by W. H. Morrison.—*Some University Extension Leaders in Russia*, by One of Them.—*University of Chicago Extension Club*, by F. W. Shepardson.—LONDON CORRESPONDENCE.—HERE AND THERE AMONG THE WORKERS.—BOOK NOTES.—*Conspectus of Lecture-Studies given by the University of Chicago, in the Autumn Quarter, 1893*.—LOCAL CENTRES AND SECRETARIES.

Vol. III, No. 2, February, 1894. pp. 35-66.

Frontispiece. Robert D. Roberts.—EDITORIAL.—*A Specimen Correspondence Lesson*, by Anna Metcalf.—*Teachers' Institutes and University Extension*, by George R. Shawhan.—*A Japanese Essay on Education*, by Ernest W. Clement.—*University Extension and the Newspaper*, by W. W. Davis.—BY THE WAY.—*University of the State of New York*.—NOTES.—HERE AND THERE AMONG THE WORKERS.—*University of Chicago Class-Work*.—*University Extension Literature*.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

Vol. III, No. 3, March, 1894. pp. 67-98.

Frontispiece. James Stuart, M.P.—EDITORIAL.—*University Extension Credits*, by F. W. Blackman.—*A Specimen Weekly Paper*, by Mrs. Jeanette Ruby.—*A Phase of University Extension in a Southern State*, by Rev. L. C. Hunnicutt, D.D.—*Popular Lectures in Vienna*, by O. J. Thatcher.—BY THE WAY.—*Chemistry as a University Extension Subject*.—*Another Sample Ticket*.

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HEBRAICA.

Quarterly. 8vo. \$3.00 per year. \$3.50 per year for foreign countries.

Number issued, 1,000; number of subscribers, 444; additions to subscription list during quarter, 14.

Vol. IX, Nos. 3 and 4, April-July, 1893. pp. 131-243.

The Semitic Iqhar Cult, by George A. Barton, Ph.D.—*The Syriac Version of the Categories of Aristotle*, by Richard J. H. Gotthell, Ph.D.—*A Critical Copy of the Samaritan Pentateuch written in A.D. 1252*, by Rev. W. Scott Watson, M.A.—*Das Hebraeische Neue Testament von Franz Delitzsch*, von Rev. Dr. Gustaf Dalman.—SEMITIC BIBLIOGRAPHY.—INDEX TO VOL. IX.

BOOKS AND PAMPHLETS PUBLISHED.

WALLACE, ELIZABETH: *The Constitution of the Argentine Republic, and The Constitution of the United States of Brazil*. 8vo., 95 pp.

SYLLABI OF UNIVERSITY EXTENSION LECTURES PUBLISHED DURING THE QUARTER.

	NO.	ISSUED.	PAGES.	CTS.
10 MOULTON: <i>Stories as a Mode of Thinking</i>	280	22	10	
17 ZEUBLIN: <i>English Fiction and Social Reform</i> . 125	12	10		
32 JUDSON: <i>American Politics: The Period of Dominant Internal Development</i>	250	8	10	
51 BEMIS: <i>Monopoly and Taxation</i>	700	24	15	
52 HARPER: <i>Stories of Genesis</i>	350	8	13	
53 MCCLINTOCK: <i>The English Romantic Poets</i> ...	250	36	20	
54 WEBSTER: <i>The Making of a Federal Republic</i> . 225	16	10		

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4. Books and Stationery purchased for the Book-store, \$5,318.29.**5. Books and Stationery sold through the Book-store, \$4,032.76.****6. Expenses for quarter for salaries of manager and bookkeeper, stenographer and clerks, \$921.42.**

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REPORT FOR WINTER QUARTER, 1893.

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HERBERT LEE STETSON, *President.*

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NO. OF COURSES.	STUDENTS.
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Greek: 10 (DM.; 2 MM.; 4 M.);	20
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English: 8 (3 DM.; 2 M.);	111
9 weekly Rhetorical Classes.	
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French: 2 (2 M.);	3
Physical Geography: 2 (2 M.);	8

States and countries from which students have come
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Number of Students:

Enrolled during Winter Quarter, 145.
Discontinuing at end of Winter Quarter, 25.
Entering at beginning of Spring Quarter, 7.
Attendance for current Quarter, 128.

Distribution of Students leaving:

Permanently, 6. Temporarily, 19.
Changing school, 1.

Degrees conferred, 0.

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- Caldwell, E. L.** 1 DM. (Geometry); 1 MM. (Algebra); 1 DM. (Cæsar).
- Chase, W. J.** 1 DM. (English); 2 M. (U. S. History); 1 MM. (Arithmetic); 1 M. (Arithmetic).
- Carman, G. N.** 1 M. (Bible History); 1 M. (English Literature); 1 M. (Rhetoric); 1 M. (English).

Departments :

NO. OF COURSES.	STUDENTS.
History : 4 (4 M.);	62
Greek : 4 (2 MM.);	9
Latin : 14 (1 DMM.; 1 MM.; 3 DM.; 2 M.);	93
German : 5 (2 MM.; 1 M.);	33
English : 4 (4 M.);	43
Mathematics : 7 (2 MM.; 3 M.);	32
Science : 3 (3 M.);	32

States and Countries from which Students have come :

Alabama, 1; Arkansas, 1; California, 2; Illinois, 65; Indiana, 2; Iowa, 5; Michigan, 3;

Mississippi, 1; Missouri, 5; Montana, 2; Nebraska, 3; New York, 2; Ohio, 3; Pennsylvania, 1; South Dakota, 1; Texas, 2; Virginia, 1; Washington, 1; Wisconsin, 6.

Number of Students :

Enrolled Winter Quarter, 104.
Discontinuing at end of Winter Quarter, 13.
Entering at beginning of Spring Quarter, 3.
Attendance for Current Quarter, 94.

Distribution of Students leaving :

Temporarily, 7. Permanently, 4.
Changing School, 1. Entering College, 1.

THE HARVARD SCHOOL.

(CHICAGO.)

JOHN J. SCHOBINGER, *Dean.**List of Instructors, with Number and Character of Courses :*

Emery, S. 1 M. (English); 1 M. (English History); 1 M. and 1 DM. (Cæsar); 1 DM. (Virgil); 1 DM. (Algebra); 1 DM. (Pl. Geom.); 1 M. (Sol. Geom.); 1 M. (Trigonometry).
Ford, W. H. 2 M. (English); 1 MM. (Beginners' Greek); 1 DMM. (Beg. Latin); 1 DM. (Virgil); 1 MM. (Algebra); 1 M (United States History).
Grant, J. C. 1 DMM. (Beg. Latin); 1 DMM. (Cæsar).
Heinrichs, Miss C. L. 1 DM., 1 MM. (1st year German); 1 DM. (2d year German).
Leland, S. 1 DM. (English); 1 DM. (Xenophon's Anabasis); 1 DM. (Homer); 1 DM. (Greek History); 1 DM. (Cæsar); 1 DM. (Cicero).
Liebard, L. 1 MM. and 1 DM. (Beg. French); 1 DM. (2d year French); 1 DM. (3d year French).
Lyon, E. P. 2 DM. (English); 2 DM. (Arithmetic); 2 DM. (Element. Science).
Schobinger, J. J. 1 DM. (Pl. Geom.); 1 DM. (Algebra); 1 DM. (Physics).

Departments :

NO. OF COURSES.	STUDENTS.
History : 6 (2 DM.; 2 M.);	47
Greek : 10 (1 MM.; 4 DM.);	35
Latin : 23 (3 DMM.; 5 DM.; 1 M.);	90
French : 8 (1 MM.; 3 DM.);	16
German : 6 (1 MM.; 2 DM.);	13
English : 9 (3 M.; 3 DM.);	76
Math.: 16 (6 DM.; 1 MM.; 2 M.);	100
Science : 6 (3 DM.);	96

States from which Students have come :
Illinois, 96; Ohio, 1; Indiana, 1.

Number of Students :

Enrolled Winter Quarter, 101.
Discontinuing at the end of Winter Quarter, 7.
Entering at beginning of Spring Quarter, 3.
Attendance for current Quarter, 97.

Distribution of Students leaving :

Permanently, 7. Temporarily, 0.
Changing school, 0. Entering college, 0.

KENWOOD INSTITUTE.

(CHICAGO)

JOHN C. GRANT, *Dean*.

Departments:

List of Instructors, with Number and Character of Courses:

Butts, Miss A. E. 1 DM. (History).
Clement, E. W. 3 DM. (English); 1 DM. (Xenophon's Anabasis); 1 DM. (Virgil).
Faulkner, Miss E. 1 DM. (Beg. Greek); 2 DM. (Beg. Latin); 1 DM. (Cæsar); 1 DM. (History of Greece).
Schmitt, Miss E. 3 DM. (French); 2 DM. (German).
Sherwood, Miss T. History: 1 DM. (Greece); 1 DM. (Engl.); 1 M. and 1 DM. (Unit. States).
Stone, Miss C. L. 2 DM. (Arithm.); 1 DM. (Elem. Physics).
Wedgewood, Miss M. 1 DM. (English); 1 DM. (Algebra); 1 DM. (Geometry).

NO. OF COURSES.	STUDENTS.
History: 10 (5 DM.);	37
Greek: 6 (3 DM.);	5
Latin: 8 (4 DM.);	30
French: 6 (3 DM.);	27
German: 4 (2 DM.);	8
English: 6 (3 DM.);	20
Mathem.: 10 (5 DM.);	40
Science: 2 (1 DM.);	7

States represented:

California, 2; Illinois, 51; Indiana, 2; Iowa, 2;
 North Carolina, 1; New York, 2; Texas, 1.

Number of Students:

Enrolled Winter Quarter, 65.
 Discontinuing at beginning of Spring Quarter, 2
 Entering at beginning of Spring Quarter, 4.
 Attendance for current Quarter, 67.

Distribution of Students leaving:

Permanently, 1. Temporarily, 1.
 Changing school, 0. Entering college, 0.

THE CHICAGO ACADEMY.

(CHICAGO)

CHARLES W. MANN, *Dean*.

Departments:

List of Instructors, with Number of Courses:

Aeshleman, L. 5 DM.
Jaquish, B. M. 1 MM.; 2 DM.; 1 M.
Mann, C. W. 2 DM.; 2 M.
Orr, C. A. 1 DM.
Rogers, A. K. 2 DM.

NO. OF COURSES.	STUDENTS.
History: 3 (1 DM.; 2 M.);	14
Latin: 3 (3 DM.);	14
French: 3 (3 DM.);	14
German: (1 DM.);	4
English: (1 DM.);	7
Mathematics: 3 (1 DM.; 1 M.);	4 (7)
Chemistry: (1 DM.);	6
INTRODUCTORY YEAR.	
English: (1 DM.);	5
Mathematics: (1 MM.);	5

Home Address of Students: Chicago, 46

Illinois, outside Chicago, 1—47

Number of Students:

Enrolled Winter Quarter, 47.
 Discontinuing at the end of Winter Quarter, 3.
 Entering at beginning of Spring Quarter, 3.
 Attendance for current Quarter, 47.

PART II.—ANNOUNCEMENTS.

The University in General.

THE SUMMER CONVOCATION AND THE UNIVERSITY UNION.

ANNOUNCEMENTS FOR THE FIRST WEEK OF THE SUMMER QUARTER.

June 30, *Saturday.*

8:00 to 11:00 P.M., Reception to the Graduating Students.

Chapel, Cobb Lecture Hall.

July 1, *Sunday.*

3:00 P.M., Vesper Service.

Address to the Graduating Students.

Theatre, Kent Chemical Laboratory.

8:00 P.M., The Convocation Sermon.

Theatre, Kent Chemical Laboratory.

July 2, *Monday.*

8:30 A.M. to 3:30 P.M., meeting of Incoming students with instructors in various courses and assignment of work.

9:30 A.M. to 3:00 P.M., Matriculation of Incoming Students.

2:30 P.M., Business Meeting of the Alumni Associations.

3:30 P.M., Summer University Convocation in *The University Quadrangle.*

Address by T. C. MENDENHALL, PH.D., LL.D., Chief of the Geodetic Survey, Washington, D. C.

7:00 P.M., Dinner to the Associated Alumni.
Chapel, Cobb Lecture Hall.

7:00 P.M., Dinner to the visiting Physicists.

July 3, *Tuesday.*

8:30 A.M., Classes begin the work of the Summer Quarter.

9:00 A.M., Conference of visiting Physicists.

10:30 A.M. to 12:30 P.M., Inspection of *Ryerson Physical Laboratory* by visiting Physicists.

12:30 P.M., Address.

Chapel, Cobb Lecture Hall.

1:00 P.M., Luncheon to the visiting Physicists.

3:00 P.M., Meeting of visiting Physicists.

Paper by HEAD PROFESSOR MICHELSON.

6:00 P.M., Dinner to the Physicists.

8:00 P.M., The opening exercises of *Ryerson Physical Laboratory.*

Addressees by:

MR. M. A. RYERSON, the donor, THE PRESIDENT OF THE UNIVERSITY, and HEAD PROFESSOR MICHELSON.

10:00 P.M., Reception.

Committee of Arrangements:

Professors Michelson, Donaldson, Moore, Stratton, Loeb, and Miss Talbot.

SUMMER MEETING OF THE UNIVERSITY UNION

Will be held on Friday, August 10, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory.* The programme will be announced in the *Weekly Bulletin.*

PRIZES.

THE HIRSCH SEMITIC PRIZE.

The *Hirsch Semitic Prize* of \$150.00 is awarded each year for the best paper prepared by a student at the University upon a Semitic subject. The next papers are to be submitted on January 1, 1895. The subjects on which competitors may write are the following:

- 1) The Language of the Assyrian Historical Inscriptions to be treated by Periods.
- 2) The Syntax of the Imperfect in the Semitic Languages.

- 3) The Editing of an Arabic or Syriac Manuscript, or of an Assyrian or Babylonian Text.
- 4) The Hebrew Sabbath.

THE BASTIN PRIZE.

The *Ellen B. Bastin Prize* of not less than \$50.00, offered by the Philosophy and Science department of the Chicago Woman's Club, is to be given to the woman studying at the University of Chicago who presents the best paper embodying the results of her own original research in any of the Natural Sciences. The prize will be awarded at the Summer Convocation.

THESES AND EXAMINATIONS.

DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.

Students who are candidates for the higher degrees at the October Convocation will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit the thesis, the subject of which has already been approved, in written form to the Head or Acting Head of the Department, on or before Friday, June 2.
2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before Wednesday, August 1.

3. Students who are candidates for the degree of Bachelor of Divinity or Bachelor of Theology must submit their thesis on or before Friday, June 22.
4. In all cases the applicants will present in writing to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

CANDIDATES FOR THE DEGREES OF A.M. OR S.M.

are notified that Friday, July 20, 1894, is the last day for handing in theses for the degrees to be conferred at the October Convocation.

HOLIDAYS AND OTHER SPECIAL DAYS.

May 30, Wednesday, *Memorial Day*; a holiday.
 June 15, Friday, *Academic College Day*; a holiday.
 July 4, Wednesday, *Independence Day*; a holiday.

The Spring Quarter closes on Saturday, June 23, with a recess from June 24 to 30.
 The Summer Quarter begins on Sunday, July 1.

REGISTRATION.

Friday, June 8, is the last day for students in residence to hand in their registration cards for the Summer Quarter.

Students entering the University for the first time or resuming work after an absence of a term or a longer period must register on or before July 2, 1894.

REGULATIONS CONCERNING ADMISSION.

A student who intends to take the course of the Summer Quarter as preliminary to further work in the University or as candidate for a degree at some future time, should enter in accordance with the regulations of the various schools and colleges as published in the CIRCULAR OF INFORMATION. Students who enter the University for the Summer Quarter only (or either term of it) may do so as (a) unclassified students, (b) college students, (c) graduate students, (d) divinity students. The regulations concerning entrance are given under these four heads. Persons will naturally be determined in their choice of departments by their previous training.

Teachers who are graduates of approved academies, high schools, or normal schools, and who have been engaged in teaching for one or more years, may be admitted to the Academic Colleges or as unclassified students, provisionally and without examination, so far as the departments representing subjects which they have been engaged in teaching are concerned. They are allowed to select courses (a) in those departments, and (b) departments in which beginning courses are offered (e. g., French and German), it being understood [1] that a teacher shall in no case be allowed credit for previous teaching in more than two departments; [2] that such credit shall be withdrawn in case the student falls below grade C; [3] that before selecting courses in other departments than those provided for under "a" and "b" the regular examinations for admission in those departments shall be passed.

Students from other Institutions. Members of other colleges or universities may enter the Academic

or University Colleges without examination, provided they can produce satisfactory evidence of good scholarship and moral character from institutions previously attended.

Graduates of recognized colleges and universities may enter the Graduate School without examination on presentation of diplomas or certificates.

Members of Theological Seminaries may enter the Divinity School without examination, provided they can produce satisfactory evidence of scholarship in institutions previously attended.

Ministers who desire to do special work in any of the departments of the Divinity School may be admitted without examination.

Persons who do not fall within the limits of the above classes may be admitted to the Academic Colleges by passing all the required admission examinations, or as unclassified students by passing the admission examinations in the departments in which they desire to study. These examinations are described in full in the CIRCULAR OF INFORMATION, and briefly summarized on page 16 of the SPECIAL CIRCULAR OF INFORMATION FOR THE FIRST SUMMER QUARTER, 1894.

SPECIAL EXAMINATIONS.

Examinations at other than the regular dates may be given only at the University by special permission of the Examiner and upon the payment of a fee of not less than \$10.00 nor more than \$15.00.

QUARTERLY EXAMINATIONS.

The Quarterly examinations for the current Spring Quarter will be held June 20-22. One half day will be devoted to each exercise, in the order of the daily programme, as seen in the following scheme :

EXERCISE.	EXAMINATION.
8:30 A.M.	Wednesday, June 20, A.M.
9:30 A.M.	Wednesday, June 20, P.M.
10:30 A.M.	Thursday, June 21, A.M.
11:30 A.M.	Thursday, June 21, P.M.

EXERCISE.	EXAMINATION.
2:00 P.M.	Friday, June 22, A.M.
3:00 P.M.	Friday, June 22, P.M.

Exercises occurring at or after 4:00 P.M. will have their examinations on Saturday, June 23.

The hours of the morning examinations will be from 9 to 12, of the afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

CIRCULARS OF INFORMATION.

The Circulars of Information which are reprints of certain portions of the UNIVERSITY REGISTER will be sent upon application.

The Circular of Information concerning THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE contains in Part I. a statement of the dates upon which various University events occur, a list of departments of instruction, the terms of admission to the *Graduate School*, conditions of candidacy for the degrees of master of arts, master of science, master of philosophy and doctor of philosophy, statements concerning University fellowships and docentships, the method of application for the same, statements concerning theses and examinations, departmental journals and other departmental publications, regulations governing the selection of courses, non-resident work, rooms and fees. Part II. of the circular describes the organization of the *Colleges*, contains the regulations governing the admission of students to advanced standing, the admission of unclassified students, the selection of courses, average annual expenses, the students' fund society, the employment bureau, the conditions of candidacy for the degrees of bachelor of arts, bachelor of philosophy, and bachelor of science, the requirements for admission to the Academic Colleges, the regulations governing the examinations for admission, and the courses of study in the Academic Colleges. Part III. contains a list of the courses offered for the current year in the Graduate School and the University College of Arts and Literature, the Ogden (Graduate) School of Science, and University College of Science, and the Academic Colleges, together with the order of examinations for admission.

The Circular of Information for THE DIVINITY SCHOOL contains an historical statement, a list of the officers of government and instruction, a list of courses for the current year in the Graduate Divinity School, the English Theological Seminary, the Danish-Norwegian Theological Seminary, and the Swedish Theological Seminary; articles upon the purpose and constituency of the Divinity School, the terms of admission, the departments of instruction, regulations governing the selection of courses, conditions of candidacy for degrees or certificates, theses and examina-

tions, the library, fellowships, opportunities for religious work, special regulations, expenses and opportunities for self-help, together with a list of the students in the various departments.

The Circular of Information for THE UNIVERSITY EXTENSION DIVISION is issued in three separate parts. Part I. relates to the work of the *Lecture-study Department*. It contains (1) information relating to the general plan of University Extension lecture-studies and to the credit extended for the work done, directions in reference to organization, information as to expenses of the courses of lectures, and other information helpful to local Committees in organizing and promoting the work of University Extension in their towns; (2) a list of the lecturers, with a full statement of the subjects of their courses, and also of the separate lectures included in each course.

Part II. relates to the work of the *Correspondence-teaching Department*. It contains (1) general information relating to the purpose and method of instruction offered by Correspondence, the relation of Correspondence students to the University, the credit which they receive for the work, and other information for the guidance of those who desire to receive University instruction by Correspondence; (2) courses of instruction offered in this Department.

Part III. relates to the work of the *Class-work Department*. It contains (1) general information as to the aim, method, and organization of the work, the relation of Class-work students to the University, the regulation for examinations, the credit for the work done, and the regulations governing the selection of courses; (2) a full statement of the classes organized and the work offered in the Class-work Department of the University Extension Division.

THE UNIVERSITY ACADEMY at Morgan Park also issues a CALENDAR, which will be sent upon application, giving a list of the officers of government and instruction, and containing information in regard to the requirements for admission, the courses of study, average expenses, scholarships, self-help, the dormitories, special regulations, together with a description of the buildings and grounds and a list of the students in attendance during the current year.

The University (Proper).

COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE, *JULY 1-OCTOBER 1,*

Will be found in the **SPECIAL CIRCULAR OF INFORMATION FOR THE FIRST SUMMER QUARTER, 1894**, which will be sent on application to the Examiner's Office of the University of Chicago.

Students in residence must register for the Summer Quarter on or before June 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before June 8.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before July 2, 1894.

NOTE.—Students may enter the University for *either term* of the Summer Quarter. The first term begins July 2; the second, August 13. With the consent of the instructor, a course registered as a Double Minor, and running through both terms, may be elected as a Minor for either term.

The announcements of courses from October 1, 1894, to July 1, 1895, will be given in the **AUGUST QUARTERLY CALENDAR**.

The Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the QUARTERLY CALENDAR brief abstracts of papers read at the meeting of the Union, the Philological Society, and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1) Date of regular meeting of the Club, and (2) List of officers elected for the current year. It shall also be the Secretary's duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office within ten days after the meeting of the Club.

OFFICERS OF THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

President—William B. Owen, of the Classical Club.
Vice President—Madeleine Wallin, of the Political Science and History Club.

Secretary and Treasurer—J. A. Smith, of the Mathematical Club.

Meets on the last Friday of the first term of each Quarter, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory*.

THE PHILOLOGICAL SOCIETY.

President—Head Professor W. G. Hale.
Vice President—Associate Professor S. W. Cutting.
Secretary—Professor F. F. Abbott.
Programme Committee—The President, Vice President, and the Secretary, with W. B. Owen and Susan R. Cutler, of the Graduate School.

The Society meets in *Room B 8, Cobb Lecture Hall*, on the third Friday of each Term, 8:00 P.M.

THE DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

President—Head Professor C. O. Whitman.
Vice President—Professor H. H. Donaldson.
Secretary and Treasurer—A. D. Mead, who also represents the Club in the University Union.

Meets fortnightly, Wednesdays at 3:00 P.M. in *Kent Chemical Laboratory*.

THE CLASSICAL CLUB.

President—Head Professor W. G. Hale.
Vice President—Professor Paul Shorey.
Secretary—S. Frances Pellett.
Delegate to the University Union—W. B. Owen.
Executive Committee—The President, Vice-President, and the Secretary, with Arthur T. Walker and Emily James Smith, of the Graduate School.

Meets monthly.

THE CHEMICAL CLUB.

President—Professor J. U. Nef.
Delegate to the University Union—B. C. Hesse.
Meets every Friday at 8:00 P.M. in *Lecture Room, Kent Chemical Laboratory*.

THE CHURCH HISTORY CLUB.

President—C. D. Case.
Vice-President—W. T. Flower.
Secretary—J. H. Randall.
Delegate to the University Union—A. W. Wishart.

Meets every Tuesday at 7:30 P.M. in the *Faculty Room*.

THE ENGLISH CLUB.

President—Assistant Professor F. A. Blackburn.
Secretary—Assistant Professor A. H. Tolman.
Delegate to the University Union—L. D. Milliman.
Programme Committee—The President, Secretary, and Delegate.

The meetings are to be held hereafter upon Tuesday evening of the third, seventh, and eleventh weeks of each quarter, in *Cobb Lecture Hall, Room B 10*, at 8:00 P.M.

THE EXEGETICAL CLUB.

President—J. H. Grant.
 Secretary and Treasurer—A. R. E. Wyant.
 Delegate to the University Union—L. D. Osborn.
 Programme Committee—Professors Price,
 Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

THE GEOLOGICAL CLUB.

President—Dr. J. C. Merriam.
 Vice President—Dr. E. C. Quereau.
 Secretary—H. C. Cowles.
 Delegate to the University Union—E. C.
 Quereau.

Meets fortnightly, Tuesdays at 4:00 P.M., in *Walker Museum*.

THE GERMANIC CLUB.

President—Associate Professor S. W. Cutting.
 Secretary—F. A. Wood.
 Delegate to the University Union—F. A. Wood.

Meets weekly on Mondays at 3:00 P.M. in B 11.

THE LATIN CLUB.

President—Assistant Professor F. J. Miller.
 Secretary—Harry W. Stone.
 Delegate to the University Union—Henry G.
 Gale.

Meets monthly, 8:00 P.M., at 5410 Madison av.

THE MATHEMATICAL CLUB AND SEMINAR.

Conducted by the Instructors of the Mathematical Faculty. Meets fortnightly, Fridays at 3:00 P.M., in *Ryerson Physical Laboratory, 36*.

Delegate to the University Union—J. Archy
 Smith.

**THE NEW TESTAMENT JOURNAL AND
ESSAY CLUB.**

President—Dr. W. M. Arnott.
 Vice President—Head Professor E. D. Burton.
 Secretary—C. E. Woodruff.
 Delegate to the University Union—A. T. Watson.
 Meets fortnightly on Wednesdays at 8:00 P.M.

THE PALÆONTOLOGICAL CLUB.

President—Assistant Professor G. Baur.
 Secretary—Wm. E. Taylor.
 Delegate to the University Union—Dr. J. C.
 Merriam.

Meets fortnightly on Mondays at 3:00 P.M., in
Walker Museum, 3d floor.

THE PHYSICS CLUB.

This Club has not yet organized; but will do so, as
 soon as the Department has moved into its new
 quarters.

THE POLITICAL ECONOMY CLUB.

Honorary President—Head Professor J. L.
 Laughlin.
 President—William Hill.
 Secretary and Treasurer—J. Cummings.
 Delegate to the University Union—Dr. Thor-
 stein B. Veblen.
 Executive Committee—The President, Secre-
 tary, Sarah M. Hardy, John Cummings, and
 Robert F. Hoxie.

Meets Thursdays at 7:30 P.M. in the *Faculty Room*.

**THE POLITICAL SCIENCE AND HISTORY
CLUB.**

President—Head Professor H. P. Judson.
 Secretary and Treasurer—Cora L. Start.
 Delegate to the University Union—Madeleine
 Wallin.
 Executive Committee—Madeleine Wallin, Chas.
 Goodspeed, and Chas. J. Conger.

Meets fortnightly on Wednesdays at 8:00 P.M., in
 the *Faculty Room*.

THE SEMITIC CLUB.

President—Associate Professor Ira M. Price.
 Secretary—Edgar J. Goodspeed.
 Delegate to University Union—John Byrd Whaley.

Meets fortnightly on Thursdays at 7:30 P.M., in the
Room of the Semitic Seminar.

THE SOCIAL SCIENCE CLUB.

President—Hannah B. Clark.
 Vice President—A. F. Davis.
 Secretary and Treasurer—C. A. Hastings.
 Delegate to the University Union—Hannah B. Clark.

Meets fortnightly on Mondays at 7:30 P.M. in the
Faculty Room.

THE LITERARY SOCIETY OF THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

President—H. P. Andersen.
 Vice President—C. P. Grarup.
 Secretary—L. Rasmussen.
 Critic—T. O. Wold.
 Programme Committee—A. L. Brandsmark,
 P. P. Overgaard, and N. R. Larsen.

Meets fortnightly on Mondays at 8:00 P.M., in D 9.

COMPARATIVE RELIGION CLUB.

President—Edmund Buckley.
 Secretary—E. C. Sanderson.

Meets monthly throughout the year.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.**OFFICERS OF THE CHRISTIAN UNION.**

President—Associate Professor C. R. Henderson.
 Vice President—C. W. Spencer.
 Secretary and Treasurer—F. W. Woods.
 Chairman of the Committee on:

Bible Study—J. H. Grant.

Social Life—H. W. Stone.

Public Worship—W. P. Behan.

Philanthropic Work—M. L. Marot;

And associated with her are: Misses A. C. Wilmarth, M. Reynolds, M. B. Hancock, C. L. Jones, S. M. Hardy, and M. Wallin; Messrs. C. K. Chase, J. H. Grant, and R. F. Hoxie. Head Professor J. L. Laughlin and Assistant Professor O. J. Thatcher.

The Executive Committee holds regular meetings each month. It is composed of the officers of the Christian Union and the Chairmen of the several Committees, together with the Presidents of the related societies.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

President—Mrs. Z. A. Dixon.

Meets every Thursday at 1:30 P.M., in *Lecture Room, Cobb Lecture Hall.*

Union Meetings of the two Associations are held on Sundays, at 6:45 P. M.

THE MISSIONARY SOCIETY

Of the Divinity School of the University of Chicago.

President—H. A. Fisk.

Vice President—Y. A. Herrick.

Treasurer—F. Y. Aitchison.

Secretary—W. E. Chalmers.

Meets fortnightly on Thursday evening, in *Chapel, Cobb Lecture Hall.*

OFFICERS OF THE RELATED SOCIETIES.**THE YOUNG MEN'S CHRISTIAN ASSOCIATION.**

President—A. T. Watson.

Meets every Friday, at 6:45 P. M., in *Lecture Room, Cobb Lecture Hall.*

THE VOLUNTEER BAND

Of the University of Chicago.

President—J. T. Proctor.

Secretary—Miss Thora Thompson.

Meets monthly in D 6.

THE UNIVERSITY CHAPEL.

The following Instructors in the University are invited to act as Chaplains for the period announced:

April 30–May 5. Assistant Professor B. F. Simpson.
 May 7–12. Associate Professor G. S. Goodspeed.
 May 14–19. Professor C. Chandler.
 May 21–26. Associate Professor C. R. Henderson.
 May 28–June 2. Assistant Professor F. J. Miller.
 June 4–9. Instructor Wm. Caldwell.

June 11–16. Assistant Professor F. H. Blackburn.
 June 18–23. Mr. C. Zeublin.
 July 2–5. Associate Professor I. M. Price.
 July 9–13. Associate Professor S. W. Cutting.
 July 16–20. Professor E. H. Moore.
 July 23–27. Head Professor H. P. Judson.
 Chapel Service is held from 12:30 to 1:00 P. M. every day except Sundays, Wednesdays, and Saturdays.

THE EMPLOYMENT BUREAU.

Students who desire to take the examination for Certificates as Grammar School Principals or High School Assistants, should hand their names to the University Steward. The examination will occur late in June.

The examination for Certificates as City Night School Teachers will occur about September 15. Registrations for work for the Summer or Autumn Quarter should be made at once. Full particulars may be had upon application to the University Steward.

THE STUDENTS' FUND SOCIETY.

This Society makes loans upon the joint recommendation of its own Committee and a Committee of the Faculty. Students are not eligible for loans until they have been members of the University one Quarter. Applications are considered by the Committee of the Faculty at the beginning of each Quarter, but in order that the necessary preliminary information may be secured all applications for loans to be granted in any Quarter must be handed in to *Assistant Professor Tufts*, Chairman, by the end of the eleventh week of the preceding Quarter. Application blanks may be secured at the office of the Registrar.

The Officers of the Society are:

President—A. A. Sprague,

Vice President—Norman Williams.

Secretary—Charles H. Hamill.

Treasurer—Byron L. Smith.

The Officers of the Executive Committee are:

President—Mrs. H. M. Wilmarth.

Vice President—Mrs. George E. Adams.

Secretary—Mrs. Noble B. Judah.

The Board of Directors consists of seven gentlemen and twelve ladies.

The Committee of the Faculty is composed of:

Associate Professor J. H. Tufts, Chairman; Dean Judson, Dean Talbot, Associate Professor Stagg, Associate Professor Cutting, and Dr. Young.

ORDER OF EXAMINATIONS FOR ADMISSION.

FOR THE SUMMER QUARTER, 1894.

WEDNESDAY, JUNE 20.

Latin 3)	. . . . .	9:00—10:00	German 1)	. . . . .	2:00—3:00
Latin 1)	. . . . .	10:00—11:00	German 2)	. . . . .	3:00—4:00
History of the United States	. . . . .	11:00—11:30	Greek 4)	. . . . .	3:00—4:00
History of Greece	. . . . .	11:30—12:15	Algebra	. . . . .	4:00—5:00
Latin 2)	. . . . .	12:15—12:45			

THURSDAY, JUNE 21.

German 3)	. . . . .	9:00—10:00	English	. . . . .	2:00—3:30
Greek 3)	. . . . .	9:00—10:00	Solid Geometry	. . . . .	3:30—4:15
French 2)	. . . . .	9:00—10:15	History of Rome	. . . . .	4:15—5:00
French 1)	. . . . .	10:15—11:00			
Greek 1)	. . . . .	11:00—12:15			

FRIDAY, JUNE 22.

Plane Geometry	. . . . .	9:00—10:00	Latin 4)	. . . . .	1:30—2:45
Physics	. . . . .	10:00—11:30	Geology, Astronomy, Physiography	. . . . .	1:30—2:30
History 2 a)	. . . . .	11:30—12:30	Biology	. . . . .	2:30—3:30
			Latin 5)	. . . . .	2:45—3:30
			Greek 2)	. . . . .	3:30—4:00
			Chemistry	. . . . .	3:30—5:00

EXAMINATIONS FOR ADMISSION.

AUTUMN QUARTER, 1894. SEPTEMBER 19, 20, and 21, 1894.

WINTER QUARTER, 1895. DECEMBER 19, 20, and 21, 1894.

SPRING QUARTER, 1895. MARCH 20, 21, and 22, 1895.

CALENDAR FOR 1894-95.

July 1.	Sunday	FIRST TERM of Summer Quarter begins. THE CONVOCATION SERMON.	Dec. 23-31.		QUARTERLY RECESS.
July 2.	Monday	MATRICULATION of incoming students. SUMMER MEETING of the <i>University Convocation</i> . Exercises in connection with the opening of <i>Ryerson Physical Laboratory</i> .	1895. Jan. 1.	Tuesday	FIRST TERM of Winter Quarter begins. Matriculation of incoming students. WINTER MEETING of the <i>University Convocation</i> . THE CONVOCATION SERMON.
July 4.	Wednesday	INDEPENDENCE DAY; a holiday.	Jan. 6.	Sunday	WINTER MEETING of the <i>University Union</i> .
Aug. 10.	Friday	SUMMER MEETING of the <i>University Union</i> .	Feb. 8.	Friday	FIRST TERM of Winter Quarter ends.
Aug. 11.	Saturday	FIRST TERM of Summer Quarter ends.	Feb. 11.	Monday	LINCOLN'S BIRTHDAY; a holiday.
Aug. 12.	Sunday	SECOND TERM of Summer Quarter begins.	Feb. 12.	Tuesday	SECOND TERM of Winter Quarter begins.
Sept. 1.	Saturday	LAST DAY for handing in <i>registration cards</i> for Autumn Quarter.	Feb. 22.	Friday	WASHINGTON'S BIRTHDAY; a holiday.
Sept. 19-21.	Wednesday Thursday Friday	AUTUMN EXAMINATIONS for admission to the <i>Academic Colleges</i> .	Mar. 1.	Friday	LAST DAY for handing in <i>registration cards</i> for Spring Quarter.
Sept. 22.	Saturday	SECOND TERM of Summer Quarter ends. LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> to be conferred at the <i>January Convocation</i> .	Mar. 23.	Saturday	LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> to be conferred at the <i>July Convocation</i> .
Sept. 23-30.		QUARTERLY RECESS.	Mar. 24.	Sunday	SECOND TERM of Winter Quarter ends.
Oct. 1.	Monday	FIRST TERM of Autumn Quarter begins. Matriculation of incoming students. AUTUMN MEETING of the <i>University Convocation</i> .	Mar. 25-31.		QUARTERLY RECESS.
Oct. 7.	Sunday	THE CONVOCATION SERMON.	April 1.	Monday	FIRST TERM of Spring Quarter begins. Matriculation of incoming students. SPRING MEETING of the <i>University Convocation</i> . LAST DAY for receiving applications for fellowships.
Nov. 9.	Friday	AUTUMN MEETING of the <i>University Union</i> .	May 1.	Wednesday	ANNUAL ASSIGNMENT of <i>Fellowships</i> .
Nov. 10.	Saturday	FIRST TERM of Autumn Quarter ends.	May 10.	Friday	SPRING MEETING of the <i>University Union</i> .
Nov. 11.	Sunday	SECOND TERM of Autumn Quarter begins.	May 11.	Saturday	FIRST TERM of Spring Quarter ends.
Nov. 29.	Thursday	THANKSGIVING DAY; a holiday.	May 13.	Sunday	SECOND TERM of Spring Quarter begins.
Dec. 1.	Saturday	LAST DAY for handing in <i>registration cards</i> for Winter Quarter.	May 30.	Thursday	MEMORIAL DAY; a holiday.
Dec. 19-21.	Wednesday Thursday Friday	WINTER EXAMINATIONS for admission to the <i>Academic Colleges</i> .	June 22.	Saturday	SECOND TERM of Spring Quarter ends.
Dec. 22.	Saturday	SECOND TERM of Autumn Quarter ends. LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> to be conferred at the <i>April Convocation</i> .	June 23-30		QUARTERLY RECESS.
			July 1.	Monday	FIRST TERM of Summer Quarter begins. Matriculation of incoming students. SUMMER MEETING of the <i>University Convocation</i> .

STATED MEETINGS.

The *Board of Trustees* holds stated meetings on the last Tuesday of each month.

The monthly meetings of *Faculties and Administrative Boards* are held on Saturdays, from 8:30 A.M. to 1:00 P.M. as follows:

First Saturday.

- 8:30- 9:30—Administrative Board of Physical Culture and Athletics.
9:30-11:00—Administrative Board of the Academic Colleges.
11:00- 1:00—The University Senate.

Second Saturday.

- 8:30- 9:30—Administrative Board of Affiliations.
9:30-11:00—The University Council.
11:00- 1:00—Faculty of Morgan Park Academy.

Third Saturday.

- 8:30- 9:30—Administrative Board of the University Press.
9:30-11:00—Joint meeting of the Administrative Boards of the Graduate School of Arts and Literature, and the Ogden (Graduate) School of Science.
11:00- 1:00—The Faculty of Arts, Literature, and Science.

Fourth Saturday.

- 8:30- 9:30—Administrative Board of the University Colleges.
9:30-11:00—Administrative Board of Libraries, Laboratories, and Museums.
11:30- 1:00—The Divinity Faculty.
The University Extension Faculty meets on the first Monday, at 5:00 P.M.

OFFICIAL PUBLICATIONS OF THE UNIVERSITY OF CHICAGO.

The *Annual Register* is issued about May 1 of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

The *Quarterly Calendar* is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the Registration of Students during the quarter, and lists of courses of instruction to be offered during succeeding quarters.

The *Circular of Information* concerning the Departments of Arts, Literature, and Science contains full information as to admission to the Schools and Colleges of these departments and lists of the courses given.

The *Circular of Information* of the Divinity School contains all information concerning the Divinity School courses, admission, etc.

The *Circular of Information* of the University Extension Division contains lists of lecturers, and courses offered, statement of correspondence work, class work, etc.

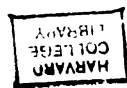
Departmental Programmes are issued by all departments of instruction, and give fuller details of the work of the departments than can be given in the *Register* or the *Calendars*.

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The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

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August, 1894

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The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues; it can be reached by the Cottage Grove cable cars (from Wabash Avenue), by the Illinois Central Railroad, to South Park station, or by the Sixty-first Street Electric cars from Englewood station.

There is a Baggage Express office and Western Union telegraph office at the University.

The Telephone number of the University is Oakland-300.

It will be sufficient to address any correspondence relating to the work of the University to

THE UNIVERSITY OF CHICAGO,
CHICAGO, ILL.



The University
PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE SEVENTH UNIVERSITY CONVOCATION,
JULY 2, 1894.

*THE DIVINE LAW OF PROGRESSIVE REVELATION.**

John xvi. 12.

CONVOCATION SERMON PREACHED BY

THE REVEREND W. M. LAWRENCE, D.D.

THE EVOLUTION AND INFLUENCE OF EXPERIMENTAL PHYSICS.†

ADDRESS BY

T. C. MENDENHALL, PH.D., LL.D.

CHIEF OF THE COAST AND GEODETIC SURVEY, WASHINGTON, D. C.

LADIES AND GENTLEMEN:

That the intellectual world is not some thousands of years older than it is at the present moment, must be attributed to the blighting influence of a paralysis with which it has suffered from time to time, often for long periods, during which all sound growth has been arrested. This influence is generally hypnotic in its nature, being manifested in a condition of apathy and dullness due to the domination of a single individual.

The emancipation of man from this species of intellectual slavery so complete that a recurrence of it is not to be feared, is due, more than to anything else, to the development of experimental science. It is my desire today to trace this development, very briefly it must be, for the purpose of finding in it the beginning of one of the most powerful factors in modern education; one that has more than any other made its impress upon this the most remarkable century of the world's history,—namely, the physical laboratory for undergraduate and graduate students.

Of the causes which so long delayed this advance, I must refer in the beginning to what I consider the most potent, the long reign of the Aristotelian philosophy.

It cannot be denied that Aristotle's philosophy of the physical sciences detracts from rather than adds to the lustre of his name. The very dictum with which he introduces his study of the subject is characteristic of the whole and fatal to its success. Starting with the admitted principle that "we must proceed from what is known to what is unknown," he declares that this means that "we must proceed from universal to particular," assuming that the universal is known and that it only remains for us to acquaint ourselves with "the particulars." His total ignorance of the inductive process by which the physical sciences have been so greatly advanced, is here boldly exposed. A few illustrations of his methods of reasoning may be given by way of contrast with the products of a later period.

He was strong in "relativity" and that sort of thing, and was an expert in puzzling with words. "Exterior," he says, "is opposed to Centre, as Heavy is opposed to Light," and hence heavy bodies tend to fall towards the centre, and light bodies to rise. "Levity is a positive quality of bodies as well as gravity." One thing is "according to nature," another is "contrary to nature,"

* *Theatre, Kent Chemical Laboratory, July 1, 1894, at 8:00 P.M.*

† This address was prepared for the Seventh Convocation, but was not delivered on account of the speaker's inability to reach Chicago in time.

and he seems to be satisfied with a word or phrase which, by suggesting another thought, serves to conceal his ignorance of the main question. In this respect, unfortunately, his kind has not yet entirely disappeared from the face of the earth. There are still alleged philosophers whose principal claim to distinction is the invention of a new word or phrase which an unsuspecting constituency is often induced to accept as the embodiment of an idea.

Consider Aristotle's explanation of the philosophy of the lever: "the reason," he declares, "why a force acting at a greater distance from the fulcrum moves a weight more easily, is, that it describes a greater circle." There is more than a gleam of intelligence in this, and if it had been properly followed up the problem need not have waited many years for its solution. But he next proceeds to analyze this motion in a circle, showing that a part of it is "according to nature" while the remainder is "contrary to nature," and that in the smaller circle the part contrary to nature is greater than in the larger circle. He then triumphantly introduces his conclusions with a "therefore," which leads at once to a hopeless but entertaining muddle of the whole subject.

He attempted to explain the interesting but simple fact that when the sun shines through a hole the bright image formed at any considerable distance is always round, no matter what the shape of the hole may be. This he suggested was because "light is emitted in a conical form, and of a cone the base is a circle, so that on whatever the rays of the sun falls they appear more circular." Had he ever observed this phenomenon at the time of an eclipse of the sun he would not have failed so completely in making a profitable application of his own elementary conceptions. He showed equal incapacity in dealing with the laws of motion, as witness his curious attempt to explain why a stone when thrown from the hand continues to move for some time and then stops. In presenting the problem he said: "The hand is either the cause of the motion of the stone, or it is not; if it is, how can the stone move after it has left the hand, and if it is not, why does it not keep on moving forever?"

To this Aristotle replies, "There is a motion communicated to the air, the successive parts of which urge the stone onwards; and each part of this medium continues to act for some time after it has been acted on, and the motion ceases when it comes to a particle which cannot act after it has ceased to be acted on." It would be difficult to contrive a remark showing more ignorance of the principles of dynamics and a less rational system of mechanical philosophy than this.

Perhaps the most harmful of all the doctrines of the Aristotelian philosophy, as far as it relates to physical science, was the celebrated statement concerning falling bodies; harmful because the fatal defect in the conception of the nature of matter and force which it involved dominated all mechanical speculations for nearly two thousand years and was only finally overthrown by one of the bravest men of modern times. "Heavy bodies," declared the Aristotelians, "must fall quicker than light ones; for weight is the cause of their fall and the weight of the greater bodies is greater."

To a philosopher who founded his system of natural things upon two principles, namely the principle of *generation* and the principle of *corruption*, this sort of logic may be satisfying, but it is impossible not to be astonished that he did not quietly go to the top of a house, as did Galileo two thousand years later, and submit his theory to the test of experiment.

As a matter of fact physicists are interested in Aristotle only because of the long continued obstruction which his system of philosophy offered to the growth of their science. I do not wish to be understood as underestimating the intellectual power of this versatile genius. In other fields than ours his success was unquestionably great. Even in the rather closely related subject of Natural History he labored with a zeal and accuracy which produced greatly superior results. Unfortunately, like his royal pupil, whom he faithfully served, he was not content with limited fields of activity. He was accepted as an authority over the whole domain of human knowledge. In matters relating to rhetoric, poetry, morals, and politics (strange bedfellows, it might be said in these later days), in logic, metaphysics, and that philosophy which because it is not natural philosophy is not necessarily *unnatural*, his learning was unquestionably profound and his influence in many ways wholesome. In his relation to physical science, however, he seems to have had his hand almost continually upon the knob of the door leading to Truth, but as he persistently turned it in the wrong direction it remained forever closed.

That his failure in this respect cannot be attributed to the age in which he lived is proved by the appearance, only a century later, of that other noble Greek whose achievements are to the natural philosopher an oasis in the desert of practically barren centuries which followed the despotism of Aristotle.

We part company with the Stagirate with little regret, to welcome Archimedes, the possessor of the first sound knowledge of the fundamental principles of mechanics, who, by his clear insight into the doc-

trine of equilibrium, created the science of Statics, one of the two pillars on which modern physics rests. Archimedes was possessed of the two accomplishments which, more than any others, go to make a successful natural philosopher. He had the instincts of a mechanic and was a skilful mathematician. His beautiful and important discoveries of the relation of the sphere to the circumscribed cylinder; of a more accurate ratio of the circumference to the diameter of a circle; and of the spiral which bears his name, justly entitled him to be ranked as the most brilliant geometer of antiquity. He readily and completely solved the problem of the lever, where Aristotle had made an ignominious failure, and he extended the principle of equilibrium from solids to liquids, thus creating the science of *hydrostatics*. He was essentially an experimental philosopher, and perhaps the first worthy of the name. He possessed the power of generalization to a high degree, and it was by this that he was led to the discovery of the important and fertile principle of the Centre of Gravity.

His mechanical inventions were of great practical value, many of them still surviving,

Loyal to his king, he used his great talents and skill in planning means for his defense. His habits were simple and he was generally deeply absorbed in his mathematical and physical investigations. Even while in his bath, and aided by observations made there, he discovered a principle which alone would have made his name illustrious; and his continued devotion to learning is pathetically shown in the oft-repeated and undoubtedly true story of his death. Although by his ingenious devices he had prolonged the siege of Syracuse, the Romans were at last successful. But, notwithstanding Marcellus, the commander of the Roman fleet, had given strict orders that the life of the great scholar should be spared, he was brutally murdered while absorbed in the study of a geometrical problem, being, as usual under such circumstances, in an abstraction so complete that the people were wont to say of him, and "not unreasonably," says Plutarch, "that he was accompanied by an invisible siren to whose song he was always listening." As much of his work did not survive the middle ages it is impossible to form a really just estimate of the greatness of his genius. The influence of the name and fame of Aristotle were probably less during the time of Archimedes than at a later period; but either on account of it, or because he never quite grasped the somewhat obscure relations of matter and force, he never accomplished much in the field of dynamical theory, and, indeed, this was destined to remain practically uncultivated for many centuries to come.

The period of intellectual activity among the Greeks which embraced Aristotle and Archimedes was followed by a long series of years, extending into many centuries, during which progress along the line of the physical sciences amounted to next to nothing. Indeed, important advances that had already been made were not maintained and the civilized world seemed to have relapsed into a condition of apathy or insensibility in reference to the study of material things. Whewell has aptly called this the Stationary Period of Science. Such notions as were promulgated now and then were, for the most part, characterized by a nebulous obscurity worthy of their Aristotelian origin. This period was notably one of unreasoning submission to authority on the one hand and unreasonable dogmatism on the other. It was a time for wrestling with ambiguous words and meaningless forms; for setting up straw men and beating them down; for reasoning, if such indeed it could be called, in circles of very small diameter and never venturing into unknown regions. It was a time for following but not for leading. The authority of Aristotle and his school was paramount. As late as 1452 no degree could be obtained from the University of Paris by one who was ignorant of his philosophy, and in 1543 the authority of the Court was invoked to punish the author of an attack upon Aristotle and the publication was suppressed. Thus for two thousand years did this uncrowned king reign an absolute monarch over the intellectual forces of Europe.

The effect of this condition of things upon those engaged in intellectual pursuits can easily be imagined. There was no originality—men were content to do over and over again what others had done long before, and they were even capable of feeling a pride in having done this. Whewell quotes an excellent illustration of this in a remark of Sir Henry Savile, tutor to Queen Elizabeth, the founder of a professorship at Oxford, and pronounced by Hallam to be the most learned Englishman of his time. In concluding a course of lectures on Euclid, which he delivered at the University, he said, "By the grace of God, gentlemen hearers, I have performed my promise; I have redeemed my pledge. I have explained, according to my ability, the definitions, postulates, axioms, and the *first eight propositions* of the elements of Euclid. Here, sinking under the weight of years, I lay down my art and my instruments." That the first scholar of his age should be only a commentator on an old Greek author is a most significant fact.

But the *Renaissance* was at hand. Even before Sir Henry Savile had congratulated himself on having explained the first eight propositions of Euclid, it had

made its appearance in the person and performance of a young Italian who was destined to mark the beginning of a new era in physical science. Galileo was especially fitted for the task which seems to have awaited his coming. He was possessed of many accomplishments; in music and art he stood among the first; he was witty, eloquent, and his manners were charming; but it is especially important to note that he was bold and courageous. Intended by his father for the profession of medicine, he matriculated in 1581 at the University of Pisa, which by this fact was destined to become famous. Two years later, while yet but nineteen years of age, he began his career as an experimental philosopher by the famous discovery of the isochronism of the pendulum. He immediately resolved to abandon his chosen profession and devote himself to scientific pursuits. In 1589, at the age of twenty-five years, he began a remarkable series of experiments, which resulted in the discovery, and establishment upon an experimental basis, of the fundamental principles of dynamics. In two short years he had swept away the time-honored fallacies of the Aristotelian philosophy of matter and motion. From the famous leaning tower of his native city he dropped two bodies, differing greatly in weight, and proved the absurdity of the long-accepted belief that they would fall with velocities proportional to their weights. The disciples of Aristotle did not, however, at once acknowledge their defeat, and the bold young philosopher was made to suffer for his rashness. When made a professor at Padua, however, he became extremely popular. His eloquence and charm of manner brought to his lecture room people of the highest rank from all over Europe, and an audience room capable of seating two thousand persons was provided to accommodate those who flocked to hear his expositions of the new method of seeking and acquiring knowledge.

It is not necessary to refer in detail to the numerous brilliant contributions to our knowledge of physical science which stand to the credit of Galileo. They are well known to all who are specially interested in the subject. Notwithstanding the splendid achievements along the same line of Archimedes and a few others who preceded him, Galileo must be regarded as the founder of modern experimental philosophy. While Archimedes had established the principles of equilibrium, the vastly more difficult laws of motion were first expounded by Galileo and he was the first to systematically check his conclusions by repeated experiment. Where Aristotle would waste time in subtle reasoning over the relativities and contrarities of certain phenomena, Galileo boldly declared, and he was the first to do so, "If you want to know whether

a thing is so, try it and see." This doctrine was revolutionary and its general application has been all but revolutionary in its effects.

But the sixteenth century was rich in men of genius, and in the development of physical science by the experimental method. Galileo was not alone. There was a famous Englishman who in the special application of a general principle preceded Galileo, for he was just beginning his career at the time of the birth of the Italian philosopher. This was the too often overlooked William Gilbert of Colchester.

Gilbert deserves high rank among physicists and he especially commands their admiration and deserves their gratitude for his splendid experimental researches in magnetism and electricity, of which sciences he is justly called the father. The elementary phenomena of both electricity and magnetism had been known to men for at least two thousand years, but he was the first to make a systematic study of them. Like Galileo he recognized the imbecility of the methods of antiquity and the importance of experiment in searching for truth, and although his field of operations was limited, his work was none the less exhaustive and thorough. He denounced the methods of the schoolmen with a courage characteristic of the race to which he belonged. As to his conclusions, he felt that security which is only found in company with the experimental method of investigation. In the preface to his great work, "On the Loadstone and Magnetic Bodies and the Great Magnet, the Earth," he says: "Our doctrine of the loadstone is contradictory to most of the principles and axioms of the Greeks," and also, "We do not at all quote the ancients and the Greeks as our supporters, for neither can paltry Greek argumentation demonstrate the truth more substantially nor Greek terms more effectively, nor can both elucidate it better." He seems much in doubt as to the reception likely to be extended to his work, and in his preface speaks boldly as follows:

"But why should I, in so vast an ocean of books whereby the minds of the studious are bemuddled and vexed; of books of the more stupid sort whereby the common herd and fellows without a spark of talent are made intoxicated, crazy, puffed up; are led to write numerous books and to profess themselves philosophers, physicians, mathematicians, and astrologers, the while ignoring and contemning men of learning; why, I say, should I add aught further to this confused world of writings, or why should I submit this noble and (as comprising many things before unheard of) this new and inadmissible philosophy to the judgment of men who have taken oath to follow the opinions of others; to the most senseless corruptors of

the arts, to lettered clowns, grammatists, sophists, spouters, and the wrong-headed rabble, to be denounced, torn to tatters and heaped with contumely.

"To you alone, true philosophers, ingenuous minds, who not only in books *but in things themselves* look for knowledge, have I dedicated these foundations of magnetic science—a new style of philosophizing."

During the middle ages the magicians and the mystics held sway. All natural phenomena that were at all rare or a little out of the usual order were considered occult and often miraculous. These were years of unquestioning credulity, and the most extraordinary statements issuing from recognized authority were unhesitatingly accepted. Concerning the natural magnet or loadstone the most astonishing notions prevailed up to the time of Gilbert. Among these may be mentioned the belief that it would not attract iron if rubbed with garlic, or when in the presence of a diamond, although when rendered powerless through the influence of this gem, its virtue and power of attraction might be restored by a bath of buck's blood. It was also the common opinion that if a loadstone be suspended on the arm of a balance, the iron which it will support will add nothing to its weight; that its attractive power generally disappears at night; that it acts as a charm, preserving women from witchcraft; that it will make husbands agreeable to wives and restore wives to husbands. It is worth remarking that similar notions regarding the peculiar properties of the loadstone still exist among many people. In Japan it is still a common belief that a magnet will lose its attractive power a short time before the occurrence of an earthquake, and a small magnet to which hangs a nail or other bit of iron will often be found in some public place, an accepted forecaster of this dreaded disturbance; while in a large city in the United States, rejoicing in the possession of a widely-known university and other institutions of learning, I found, a few years since, a merchant doing a thriving business in the sale of small fragments of loadstone to be carried about the person as charms.

In this age it is difficult to believe that such absurd views prevailed for hundreds of years when the fallacy of almost any one of them might have been instantly exposed by a simple experiment. Gilbert was the first to apply experimental methods in a systematic way to the study of the curious phenomena of magnetism and electricity, and he quickly brushed aside a hundred myths, romances and vagaries by which the whole subject had long been completely befogged. He was often unable to conceal his contempt for those who had contributed to this mystification. "In such like follies and fables," he says, "do philosophers of

the vulgar sort take delight; with such like do they cram readers a-hungry for things abstruse, and every ignorant gaper for nonsense." He wisely condemns those who are satisfied to "chew the cud of ancient opinions" with apparently no appetite for fresh intellectual food; and in charming indifference to the school of Aristotle he remarks, "As for the causes of magnetic movements, referred in the schools of the philosophers to the four elements and to prime qualities, these we leave for roaches and moths to play upon." Gilbert showed a keen, almost a prophetic insight into the then little understood laws of force and motion, in his comments on the possibility of producing a perpetual-motion engine by means of the loadstone. Cardan had declared its possibility, and commenting on this Gilbert remarks that "the contrivers of such machines have but little practice in magnetic experiments." He reminds them that "no magnetic attraction can be greater (whatever art, whatever form of instrument you employ) than the force of retention," and also that the attraction is a mutual relation in which both are concerned and not one alone. Referring to the perpetuation of this idea of a magnetic perpetual motion by repeated copying and republication from century to century, he remarks with more force than elegance, "May the gods damn all such sham, pilfered, distorted works, which do but muddle the minds of students." Lovers of science and of sound learning owe much to this sturdy old physician to Queen Elizabeth. He must always share with Galileo the honor of founding the modern experimental philosophy, and there can be little doubt that had he given his whole energy to the cultivation of science, instead of devoting the greater part to the practice of his profession, few names would have out-ranked his.

It would be a serious oversight to omit at this point a consideration, and a relatively full consideration, of the claims of another of the illustrious men of the Elizabethan age to the authorship of the reformation in the study of science for which that age must ever be justly celebrated.

Lord Bacon and Galileo were contemporaries, and it may not be justly asserted that the Englishman was aware of or in any way influenced by the work of the Italian. But of Gilbert's great work he must have known, for it was completed when Bacon first announced his intention to undertake the "reorganization of the sciences." That great credit must be accorded to Bacon for his masterly analysis of the principles of inductive reasoning and his effort to purify the methods of scientific inquiry, if, indeed, it could be called inquiry which had long been in vogue, no one can deny. At a

comparatively early age he felt himself charged with that duty and his intentions are clearly announced in a place-seeking letter addressed to his uncle, in which he says, "I have taken all knowledge to be my province," and expresses his desire to "purge it of two sorts of rovers, whereof the one with frivolous disputations, confutations, and verbosities, the other with blind experiments and auricular traditions and impostures, hath committed so many spoils." But it must not be forgotten that Bacon was not a man of science, that he never made a contribution to science, and that the inductive method as expounded by him has never been adopted in scientific investigation. He seems to have overlooked the importance and necessity of Hypothesis in the application of the experimental method. This was perfectly understood and elegantly applied by Gilbert when he imagined the earth to be a great magnet, and then marshalled his facts, obtained from observation or experiment, to the support or rejection of that theory. Tyndall has specially treated of the value of imagination in science, and the classical researches of Faraday afford a most perfect illustration of its use. Indeed, everyone will admit that the greatest advances in physical science have come from the conservative use of hypothesis, always to be submitted to the crucial test of experiment. Of this Newton's discovery of the law of gravitation is perhaps the most notable example. Newton did not *discover* the law of inverse squares; he simply *imagined* it and then proceeded to find if it did not fit all known facts relating to mass attraction. Thus deduction is as useful in science as induction, provided always it is guarded and checked by experiment and observation.

The lavish praise which has been bestowed upon Bacon as the creator of the true method of scientific research, seems to me to be quite unmerited. He has long worn honors which by right belong to Gilbert, Galileo, and others, and in these later years it is even proposed to add to them the wreath of laurel which has for three centuries adorned the brow of one of his own countrymen and contemporaries, as the greatest poet and dramatist of any country or any age. Fortunately what may be called the "laboratory method" is now successfully applied to literary as well as scientific research, and it is entirely competent, when once it is properly enlisted, to settle forever this interesting but curious controversy.

Thus Galileo, Gilbert, Kepler, and other pioneers succeeded within a single century in breaking the influence of the Aristotelian traditions, and in starting natural philosophers along that line which so quickly leads to fields rich with rewards of value to all

mankind. Two thousand years before Archimedes had pointed out the way and had himself traveled therein; but a blind adherence to the dictum of authority closed the gate which had been bravely opened. Fortunately for us who live today, the spell was broken, the paralysis ceased three hundred years ago. From this time to the present the progress of experimental science has been continuous, but brief reference may well be made to a few great names by way of contrasting the conditions under which they wrought with those of the present.

Believers in the transmigration of souls may refer with some satisfaction to the fact that the birth of Newton occurred near the end of the year near the beginning of which Galileo died. Although a mathematical philosopher of the first order, Newton was also skilled in experimentation. Most of his work is today, and must always be, a model for those who wish to master both deductive and inductive processes. There is no more beautiful and instructive example of the care with which theory should be fortified by experiment than is furnished by his painstaking series of studies of the vibratory periods of pendulums composed of different materials. It was easy to assume from ordinary phenomena that the attraction between two masses of matter was proportional to their masses and independent of the nature, color, or other peculiarity of the material. But Newton was not content to make this assumption until he had demonstrated its truth by incontrovertible experiment. With this incident in view it seems almost incredible that in his splendid researches in optics he should have *taken it for granted* that the spectra produced by different materials were of the same length, a conclusion that a simple measurement would have negated and the incorrectness of which it is strange he did not accidentally discover. By this curious oversight he was led to make the erroneous statement that the improvement of the telescope was only possible by the use of reflectors.

Little is known concerning Newton's facilities for work, although it may be assumed that they were as good as could be procured in his day. We know that he ground lenses and prisms, polished mirrors, and constructed other apparatus which he found necessary to enable him to carry on his researches. His first communication to the Royal Society of London was that in which he announced his optical discoveries; and these it appears were made in Cambridge, apparently in his own living room. This important paper contains not only the announcement of the refrangibility of light, but incidentally another phenomenon is referred to (and for the first time, as far as I know),

that, in these days when a young man selects his university by a comparison of the standing of the foot and base ball teams representing the more widely known institutions of learning, must be considered as quite worthy of our attention. Indeed, I suspect that it is not generally known that in this famous paper Newton discusses the philosophy of *curved pitching*, and, showing how it may be accomplished, makes an ingenious application of it to his optical theory. It might be pertinent to inquire whether the phenomenal athlete who a few years ago brought this artifice into the noble American game cribbed it from the Transactions of the Royal Society.

Although it is not at all certain that Newton had at his command anything that could, with any sort of propriety, be called a *laboratory* it is likely that as a college professor and lecturer certain limited facilities for illustrative experiment were at hand; and this was doubtless also true of many philosophers who had preceded him. For instruments suitable for original investigation it is highly probable Newton, as well as all who preceded him and including also all who followed him for a period of many years, was obliged to depend on his own resources almost exclusively.

Our admiration for the founders of modern physics must be enormously increased by a knowledge of the limitations under which much of their most valuable work was done. When Newton was converting his theory of the spheroidal form of the earth into established fact he could only ascertain the possible effect of change of temperature upon the period of a pendulum by means of a comparison of the length of an iron bar when exposed to the sun's rays on a hot summer's day with its length on a frosty morning in winter. Even in the earlier Transactions of the Royal Society of London, one may find time measured in *misereres* and temperature in inches, and one of the most beneficent effects of the growth of exact science must be attributed to the fact that its evolution necessitated increased precision in the art of measuring, and of this the people have always enjoyed the full benefit in all of the extensive commercial and business transactions in which the public is absorbed.

Newton left behind him a group of brilliant disciples, and these were in turn followed by others, and the advance of the physical sciences has been almost unchecked since his day, although there have been periods during which magnificent spurts have been made, rare occasions on which whole new fields of research have been explored in an incredibly short time. It is doubtless true that the golden age is always the present, but it will be generally admitted that at no other time in its history has the advance of

physical science been so rapid as during the past fifty years, and no other decade has been so crowded with brilliant results and substantial extensions of the limits of human knowledge as the last. I think I am not wrong in attributing this in a very large measure to the evolution of the physical laboratory, which has taken place within the last quarter of a century.

Having traced at some length, but still imperfectly, I fear, the growth of natural philosophy as an experimental science, I need not remind you of the beautiful discoveries concerning the inter-relation of natural phenomena which its disciples have from time to time announced, and which have at once charmed the cultivated and delighted the ignorant. Nor do you need to be told of the splendid practical application of these discoveries, by means of which the comforts of life have been enormously multiplied and wretchedness and anxiety enormously lessened. What is astounding about the whole affair is that not until experimental natural science had over and over again proved, by its usefulness to mankind, its right to fair consideration along with the recognized departments of liberal learning, was it admitted into the sacred precincts of the college curriculum. Only in these very recent years has original, experimental research found its place as an educational factor.

Indeed, until recently not only was original research not encouraged, but by the system of education generally in vogue it was actually discouraged. Fortunately there was now and then an irrepressible genius, filled with the "divine afflatus," who persisted, in spite of all obstacles, in the experimental study of nature, an occupation which was generally both unappreciated and unrewarded, except in the keen satisfaction which accompanies the discovery of new truth, compared to which, for those who have once tested, all other pleasures count for little. This was the "invisible siren" to which Archimedes was always listening and which charmed Galileo and Newton and Franklin and Davy and a legion besides. It was the fascination of discovery which led Henry to pursue the beautiful researches in electricity for which he is justly famous, notwithstanding his seven hours of hard labor as a teacher in the Albany Academy.

But as early as the beginning of the century the practical value of experimental research came to be recognized to such an extent as to lead, in sporadic instances, to some provision for aiding those engaged in it. A most notable illustration is the laboratory of the Royal Institution in London. The object of its establishment by Count Rumford was essentially practical and humanitarian. It was to serve for "the general diffusion of the knowledge of all new and useful

improvements, and teaching the application of scientific discoveries to the improvement of arts and manufactures, and to the increase of domestic comfort and convenience." It originally contained a workshop for blacksmiths, with a forge and bellows, all sorts of models of machinery, and at one time a score of young mechanics were boarded and lodged in the house. By a rapid evolution it became the most famous laboratory of research in the world, and even its founder would be compelled to admit that by its devotion to pure science and seeming neglect of the practical, it has been infinitely more useful to those whom it was originally planned to benefit than if it had been held closely to the lines at first laid down. The splendid and continuous series of epoch-making discoveries by Thomas Young, Davy, Faraday, and Tyndall constitute a monument to the founder of the institution compared with which any conceivable structure in marble, granite or bronze must sink into insignificance.

It may be instructive and even encouraging to note that one of the endowments from which it is supported came from a certain Mr. Fuller, of whom it is said, in a report of the Treasurer, that although "the feebleness of his constitution denied him at all other times and places the rest necessary for health, he could always find repose and even quiet slumber amid the murmuring lectures of the Royal Institution; and that in gratitude for the peaceful hours thus snatched from an otherwise restless life, he bequeathed to it a magnificent legacy of £10,000."

The keen interest in physical science created by the work of the Royal Institution in London and institutions of a similar character in other parts of the world, resulted in the prosecution of original research by many college professors, in quarters mostly of their own providing and equipment and in addition to their regular and already exacting duties as lecturers and teachers. In rare instances the corporation funds were in part available for the support of such work, and it began to be dimly understood that it was worth while to encourage, in a not too generous manner, one who was disposed to devote his spare energies to this sort of thing. The circle of those who interrogated nature by experiment was thus greatly widened, and college instruction was vitalized in consequence. But no one had ventured to suggest that the hundreds and thousands of undergraduate, or even graduate students, might wisely be invited to drink at the fountain of this noblest and most useful of all learning, the learning how to learn. Only a quarter of a century ago, however, the thought had lodged itself in more than one brain, and it is, perhaps, not possible to

determine with accuracy and fairness to whom credit should be given for its first formal expression.

Laboratories in which students were instructed in chemistry by actually doing the experiments themselves instead of watching a professor at long range, were in successful operation long before similar facilities were offered students in physics. In chemical laboratories the necessary appliances are few and the manipulations are more a matter of routine than in those devoted to instruction in physics. Indeed I feel sure that I give no offense to our friends the chemists in claiming that the physical laboratory, with its necessarily more elaborate and expensive equipment; its wider and more fertile field; together with the magnificent generalizations with which it has to deal, and including, as it does, the higher developments of chemistry itself as one of its problems, constitutes a distinctly higher type of intellectual achievement.

In an address given nearly ten years ago, Lord Kelvin claims that the first chemical laboratory for the instruction of students was founded in the University of Glasgow, prior to the year 1831. To Liebig, however, unquestionably belongs the credit of creating the chemical laboratory for students, much as it exists today.* The young chemists who flocked to his school fifty years ago quickly disseminated his methods throughout the civilized world. Lord Kelvin also claims that the first physical laboratory for students was at Glasgow and that it began to grow shortly after he entered the chair of natural philosophy, now nearly fifty years ago. Beginning, as he did at that time, the wonderful series of original investigations which have made him easily the first physicist of the present age, he invited certain of his students to assist him in the experimental work. Other students volunteered to assist in the same way and shortly and necessarily, under the inspiration of such a master, he had a score or more of young men regularly engaged in experimental work of various kinds. It does not appear, however, that the work formed a part of a prescribed course of study in the University or that it was pursued according to a systematic plan for its educational value. I am strongly inclined to the belief that the credit of establishing the first physical laboratory for students, in which regular courses of experiment were followed, constituting a definite part of the curriculum, belongs to our own country. The first suggestion, including, as it did, a clearly outlined plan, was made by Professor Wm. B. Rogers in a pamphlet published in 1864, entitled, "Scope and Plan of the School of Industrial Science of the Massachusetts Institute of Technology." In 1869 the well-known physical laboratory of

* See Quarterly Calendar, No. 8, pp. 3 foll.

this institution was opened to students, being, as far as I know, the first of its kind. Professor Adams, of King's College, London, writing in 1871, said that Professor Clifton had three years before proposed that a course of training in a physical laboratory should form a part of the regular work of every student in physics. This proposition was approved and was shortly put in operation, so that New England and Old England must have made this departure at almost exactly the same time. It is sufficient to know, however, that the physical laboratory for students had its start. Its phenomenal growth during the few years of its life is familiar to you all. On a larger or smaller scale it has come to be a necessary part of every institution of learning worthy of the name. And best of all, through its influence nearly every institution has become in a greater or less degree a contributor to the stock of human knowledge. It has been discovered that even the student himself should not be confined to a repetition or examination of what others have done before him, but that his training will be most effective if he be allowed and encouraged to explore regions quite unknown, and thus the fountains of original truth have been enormously multiplied.

Perhaps the most striking and beneficent influence which the physical laboratory has exercised is that in virtue of which it has practically forced nearly all other departments of learning to become its imitators. Although very reluctantly admitted to the course of study provided for what was and still is often erroneously called a "liberal education," it was soon found that if the simple "culture effect" be considered alone, the new education asks no odds of the old, while in the production of sound thinking and a virile intellectuality it is far and away ahead. Within the last decade the laboratory method has come to prevail in nearly every kind of instruction. This is not only true of the biologist, the geologist, and in natural science everywhere, but as well of the linguist, the historian, and even of the psychologist, who was, indeed, one of the first to recognize the power and fertility of the new instrument. Questions that have little to do with material things are found to yield to experimental treatment. Only recently I found in the laboratory of a widely known institution of learning a delicately balanced couch with an automatic graphical registering attachment, on which men were put to sleep, in order that the nature of the "stuff of which dreams are made" may be studied.

Now the splendid result of all this is that the domain of man's intellect is being extended at a rate never before dreamed of. A few years ago there could be found here and there an earnest and devoted spirit

engaged in the extension of human knowledge by original research in spite of many difficult and discouraging conditions. Now a mighty army of truth seekers has been organized. It is thoroughly trained in the methods most likely to lead to success, and equipped with the most perfect appliances that can be conceived. In this army every department of learning is represented, and with the vigor of youth and the inspiration of great victories already won, it marches forward into the next century with a promise and potency that may well excite wonder and admiration.

My friends of the other side, if, indeed, there be any other side to this question, will pardon, I think, the enthusiastic spirit in which I have brought my remarks to an end. It is justified by the event which is the excuse for my claiming your attention at all.

Tomorrow a new temple of learning, the Ryerson Physical Laboratory of the University of Chicago, will be dedicated to experimental science. Twenty-five years ago such an event would have been impossible, even in Chicago. It might, indeed, have been then dedicated to literature or to art; it might have been opened as a museum of natural history, embracing a curious collection of specimens illustrating the freaks of nature and the mistakes of man; it might have contained ill-shaped, badly ventilated, and poorly lighted halls for lectures on logic or philosophy, or for recitations in Latin, Greek, or mathematics,—whatever it might have been a quarter of a century ago, it could not have been what it is today. In this costly and beautiful building a generous and wise patron of learning has made a splendid contribution to an already magnificent educational foundation. If properly supported and endowed for its future career, as it must be, and guided as it is by an accomplished director whose brilliant researches have already become famous throughout the whole scientific world, what may we not expect of it in the future. Within its walls there will be no "chewing the cud of ancient opinions," except just so much as is necessary for the extraction of any nutrition which they may contain; there will be no instructor content at the close of his career to imitate Savile in thanking God that he has redeemed his pledge and discharged his duty to his pupils by presenting the views of those who lived two thousand years ago.

Representing no one of the many laboratories of physics which have sprung into existence in the United States within the past quarter of a century, but in a sense and temporarily representing them all, I offer greeting to this noble and stately addition to their ranks and bid it Hail and Welcome!

SOME OF THE OBJECTS AND METHODS OF PHYSICAL SCIENCE.

CONVOCATION ADDRESS DELIVERED BY

HEAD PROFESSOR ALBERT A. MICHELSON.

THE UNIVERSITY OF CHICAGO.

LADIES AND GENTLEMEN:

We are met to celebrate the day which begins the seventh quarter of the work of the University of Chicago and at the same time to tender our grateful recognition of the princely gift of Mr. Ryerson to our University and to science—the Ryerson Physical Laboratory. It may not be deemed altogether inappropriate on an occasion of this character to give a few illustrations of the methods and objects of physical science.

It is hoped that by this means we may be enabled to form a better conception of the magnificent opportunities which are now placed within our reach for its advancement. It is the purpose of this address to illustrate some of the objects which it is the ambition of the student of physical science to attain, and to give a few examples—necessarily very general and very brief—of the methods of attacking some of the problems involved.

I trust I will be pardoned in using for this purpose illustrations drawn chiefly from a single branch of physical science—the one in which the larger part of my own work has been done—and which I confess is to my mind decidedly the most elegant and fascinating of all—from the æsthetic as well as from the scientific standpoint.

The development of the human race is typified by the growth of the child; and as the first evidence of the child's intelligence is exhibited in its first feeble and futile efforts to interpret the sensations which pour in upon its limited understanding, so for ages, in the past history of the race, man has endeavored to observe, to investigate, to classify, to explain, all of the more striking, beautiful, grand or wonderful of Nature's works. The immense majority of our impressions are obtained through our sense of sight, and naturally our first efforts were directed to the observation and consideration of the things we see. The sky, the earth, the ocean; the sun, the moon, the stars; the gorgeous colors of the sunset; the rainbow, the lightning—What are they? Whence come they? What order is to be found in the maze of their bewildering complexity?

These and like questions have been asked from the time when reason's first feeble efforts began the attempt to solve the problem of existence.

Most of these must remain to our limited intelligence unanswered—perhaps forever unanswerable—save, possibly, the last. To inquire into the *facts* of Nature,

to investigate their *relations*, one with another, to ascertain the general *laws* which they obey, to explain their actions and reactions (that is, to *classify* new or hitherto unobserved phenomena among those with which long experience has made us familiar)—these are legitimate and worthy objects of the profound study of the greatest minds.

The physical universe consists of various aggregations of matter concentrated in systems of nebulae, stars, planets, and satellites, which are separated by immense distances which are almost if not quite void of matter in the sense in which that term is usually understood—as anything capable of affecting the senses.

The stars affect our sense of sight, and we infer that they are material bodies—and indeed we may even go farther, and say that we know them to be made of the *same kinds* of matter as those with which we are familiar.

Till the most recent times there was no good reason for supposing that the interstellar spaces were not empty voids. But it seems now very probable that these spaces are filled by a very remarkable medium called the ether, the vibrations of which communicate to us, in the form of light and heat, the energy given out by the heavenly bodies. This medium constitutes the one solitary bridge which spans the abyss by which our speck of earth is separated from the rest of the universe.

The probability is very strong that this medium is also a form of matter—possessing, it is true, the properties ordinarily associated with matter in a highly exaggerated form—but differing from it in degree only—not in kind. An extremely ingenious and remarkable theory due to Sir William Thomson, Lord Kelvin, and called "The Vortex Theory," supposes that ordinary matter consist simply of portions of a universal ether differentiated from the rest by their motions.

One step further would lead to one of the grandest generalizations conceivable with regard to the constitution of the physical universe:

There is but one substance—the ether; and the endless variety of phenomena which constitute the physical universe are different modes of motion of its parts.

Of these modes of motion there is one with which we are to a certain extent familiar, from its analogies to the vibrations which produce sound, but which in

some respects may better be likened to the motion of water-waves. Of these last, the most familiar example is that of the unruly heavings and tossings of the ocean; but the associations connected with the close contemplation of such motions are not frequently conducive to a state of mind tending toward an appreciation either of its æsthetic features or its use as a scientific illustration. Let us therefore rather retire to a still, smooth sheet of water, and observe the effect of dropping a stone upon its surface. No doubt all of us have at some time watched with interest the ever widening circles of waves, lessening in height as they expand till they are too slight to be visible, or until they are reflected from the shore. The evanescent character of such a wave-motion is a necessary consequence of the abrupt character of the cause of the disturbance, and our illustration will be considerably improved if we substitute for the falling stone a motion which is itself regular and continuous, such as that of a pendulum or a balance wheel (*whose regularity* is the basis of their application in clocks and watches). Suppose then a heavy pendulum set swinging in the water; the system of waves to which its motion would give rise would be regular equidistant circles, spreading outward with uniform speed in all directions from the centre of disturbance. If in the place of the pendulum a vibrating bell or a tuning fork be substituted, the result is the same except that since now the recurrence of the impulses is several hundred times as rapid, the waves are very much closer together—the *wave-length* is proportionally less. We naturally associate the term *wave*, with the motions of a water surface; but the signification of the word may be extended to cover any kind of change which is propagated in any kind of medium. Thus in the case of a sound wave, the medium is usually the air; and the change which is propagated is compression or rarefaction. If the disturbance is irregular, as in the case of a sharp shock or the fall of a load of coal, the resultant sound is a noise. If the cause be regular the result is called a pure musical tone; but if the purity of the tone be carried to the extreme, the effect would be that which I may expect by giving in this discourse too uniform a diet of fact with too sparing a sprinkling of fancy—it will be voted *monotonous*.

In the illustrations given the condition which is propagated in the form of a wave-motion is something material—palpable; and all the intricate consequences which flow from the simple *mechanical* assumptions may be rigorously calculated by the ordinary processes of analytical mechanics. A striking illustration of the beneficial reactions of practical applications of science

is furnished by the advances in dynamo-electric machinery. The vast and continually increasing development of this branch of industry has compelled both scientific men and men of business to familiarize themselves with ideas which but a few years ago had not even a name.

One of the most interesting and promising of these developments is the application of an alternating current of electricity as a source of power.

Upon the practical details of this wonderfully fertile field of electricity—which may almost be considered a science in itself—I do not intend to dwell, but wish merely to utilize the idea of an alternating current as an illustration of the propagation of a wave-motion. The alternating electrical condition which travels along a wire is a true wave.

The fact that ordinarily the length of the waves is enormous—thousands of miles—does not in the least bar it from this classification. This wave-length may readily be found from the known speed with which it travels. This is about two hundred thousand miles per second. Accordingly, if the alternations at the dynamo succeed each other as fast as two hundred per second, the waves will be a thousand miles long; a corresponding sound wave of the same frequency would be only five feet.

Now if it be desired to produce a more rapid vibration than is obtainable by a tuning-fork, we may use a short, thick, cylindrical steel rod, which when struck laterally gives out a very high tone. If struck lengthwise, the tone is so high that it cannot be heard at all. But we may nevertheless calculate its rate, and find that for a rod an inch long this would be a hundred thousand per second. If it were possible to set a rod one thousandth of an inch long in vibration, the rate would be a hundred millions, and then the length of the corresponding electrical waves (supposing that such vibrations could produce them) would be only ten feet. The beautiful experiments executed by the late Dr. Hertz (whose untimely loss is deplored by the whole scientific world) have made it possible to produce and to measure electrical waves still shorter than these and this too without any conducting wire. Imagine now the vibrating rod or its equivalent to be made ten millions times smaller; it would then give out electrical waves only $\frac{1}{1000000}$ of an inch long. But the vibrating body is now of the same order of magnitude as an *atom of matter* and the length of the resulting electrical wave is the same as that of a *light-wave*. It is thus clear that if a vibrating atom can produce vibrations in the same medium which transmits electrical waves, that these waves would be of the same order of magnitude as a light-wave. But it is proved that

both electrical waves and light-waves are forms of energy, that both are reflected, refracted, absorbed, and polarized according to the same laws, and that both travel with the same speed. It is impossible to resist the conclusion that they are one and the same thing. If by any means it becomes physically possible to replace the minute vibrator by a mechanical device, which will produce the same number of electrical alternations, it may be confidently predicted that the problem of the direct production of light by mechanical power will be solved.

The investigation of hypotheses concerning the constitution of matter, and of the ether, and the true mechanism of light, are among the most important problems in science; and it may be confidently predicted that the time is near at hand when these hypotheses will crystallize from their "mother liquor" of vague speculation into definite and complete working theories. Until this time is reached, however, we cannot hope for any very accurate notion of what light and light-waves really are: but we may nevertheless content ourselves with a remarkably exact knowledge of their wonderful properties; and in the meantime make the most of our opportunities in utilizing this marvellously delicate instrument of investigation.

Most of us have at some time looked through the glass pendant of an old-fashioned chandelier and no doubt have noticed the curious "down hill" effect, as well as the brilliant coloring which appears to surround the borders of objects viewed through such a prism. But not even the genius of a Newton could have guessed that a similar experiment *made under appropriate conditions* leads to one of the most wonderful discoveries in modern science. There is an impression among practical people (which however is happily on the decrease) that there is something unreal, unsubstantial—they would express their scepticism by saying "theoretical"—in the conclusions of science; and not infrequently oppose scientific conclusions to those of "common sense"; forgetting that science is common sense, refined by subjection to a most rigorous scrutinizing criticism. In the instance just given crude common sense would be content with the observation that a prism appears to displace the objects viewed, and confuses and colors their outline. A scientific mind would be content not merely with carefully noting all the phenomena thus casually presented, but would devise ways and means of varying in every possible way all the conditions which he can control in order to eliminate all unnecessary attendant circumstances, and of bringing into prominent relief the special features which he desires to investigate. This is what is meant by *experiment*.

It is to the genius of Newton that we owe the first accurate experiments on the analysis of light into its constituent colors. This fundamental research, supplemented by the labors of Fraunhofer, Kirchhoff, and Bunsen, led to the discovery of the dark and bright lines in the prismatic spectrum, which mark the particular kinds of light which characterize the substances which produce them so that they may be recognized in quantities almost infinitesimal and at distances greatly beyond our conception.

So much has already been accomplished in the use of light as an instrument of investigation that we have come to let our familiarity with the marvels accomplished by its aid diminish our wonder at the results.

One hundred years ago it might have been admitted to be within the bounds of possibility to obtain some rough notion of the distance of the sun, and perhaps of the "fixed stars"; or even an approximately correct idea of their motions in space;—but what enthusiast would be so rash as to predict that it might be possible to know the composition and structure of the sun and the constitution of the stars?

Think of it for a moment. Light travels one hundred and eighty-six thousand miles between two ticks of the clock; it would reach us from the moon in less than two seconds, and from the sun in eight minutes. Yet so extremely remote are even the nearest of the stars that, even at this inconceivable speed, their light takes four years to reach us; while for the great majority of them the light by which we now see them was dispatched long before we were born!

And notwithstanding these immense intervals and these distances inconceivably great—so faithful a messenger is light, that he has preserved intact the marvellous record of all that transpired in those remote spheres of fire. Though the messenger has a language which is perfectly competent to deliver his errand, he is not sufficiently modernized to translate it into "United States" for our especial benefit, but insists that if we would know its burden we must humbly learn to decipher his hieroglyphics.

This we have but just begun to do. We have almost learned the alphabet; have actually succeeded in putting together a few words; and have even caught a glimmering of meaning in a few whole sentences—sentences of momentous import, telling of cyclones of fire, tornadoes of boiling metal, conflagrations vastly greater than the whole world! Such are the mighty truths revealed in reward for the labors of the patient investigator; such are the incentives to further labor in the hope of new and perhaps even more wonderful results.

From suns and stars to molecules and atoms seems

perhaps a long and sudden jump—but our Ariel makes but little distinction in dealing with these magnitudes, be they great or small. The telescope has furnished us with most of our knowledge of the structure of the stellar universe. The spectroscope—when we learn to interpret its indications—will give us an insight into the structure of the molecule. A body or a system of bodies has more than one mode of vibrating—theoretically an infinite variety of ways; but these various kinds of vibrations stand in fixed relations to one another, depending on the shape and structure of the bodies and the forces which hold the parts in place. In the simple case of a cylindrical rod, we may have four such infinite series; and it would be possible—knowing, from the sounds thus produced, the periods of these different modes of vibrations—to deduce from them the *form of the vibrating body* and the motions of its parts. Now we have a number of striking evidences of regularity and of remarkable numerical relations between the vibrations of the light emitted by certain substances, as evidenced by the bright lines which they show when examined by the spectroscope. Does it seem visionary to trust that the accumulation of such evidence is an important step in the desired direction?

It is never safe to affirm that the future of physical science has no marvels in store which may be even more astonishing than those of the past; but it seems probable that most of the grand underlying principles have now been firmly established and that further advances are to be sought chiefly in the rigorous application of these principles to all the phenomena which come under our notice. It is here that the science of measurement shows its importance—where quantitative work is more to be desired than merely qualitative results. It is an almost daily task of the scientific student and investigator to reply to queries concerning the practical use of such an extraordinary degree of refinement as is shown in almost every modern scientifically conducted experiment. It is frequently admitted that these uses are not practical—but I would not concede even this much. Two thousand years ago there was no occasion for divisions smaller than an inch. Two hundred years ago measurements smaller than one-sixteenth of an inch were required of only the most careful workmen. Twenty years ago—outside of scientific measurements—a thousandth of an inch was nil. Today an error of this magnitude in one of our modern engines would mean all the difference between success and failure. If now it be granted that for *scientific* work, upon which every important practical advance depends, the order of accuracy is from ten to one hundred times as great as this,

who can say what will be required two hundred years—nay, twenty years hence? These are undoubtedly sufficiently weighty reasons for the time and care which are indispensable in properly conducted scientific work—but unquestionably, the most important reason of all is, that by such work, and such work alone, must we look for the steady onward march of science, by which alone truth is to be dug from its well and placed upon a foundation more solid and enduring than the pyramids.

An eminent physicist has remarked that the future truths of physical science are to be looked for in the sixth place of decimals. In order to make such results possible the student and investigator must have at his disposal the methods and results of his predecessors, must know how to gauge their value, and to apply them to his own work; and especially must he have at his command all the modern appliances and instruments of precision which constitute a well-equipped physical laboratory—without which results of real value can be obtained only at immense sacrifice of time and labor.

The science of Astronomy appeals far more powerfully to most minds than does physical science; which indeed to many is scarcely known even by name. The former is as old as history. Its wonders have compelled the attention of mankind from the earliest ages, and is but a natural consequence, that at the present day no important city in the civilized world is without its richly endowed observatory where its trained corps of astronomers is able to study the phenomena of the life of suns and worlds and their distribution in space and time. It is only in very recent times that it has begun to dawn upon the mind of man that there is another world only one degree less complex and wonderful than the stellar universe—the world of molecules and atoms.

For the study of these infinitesimal systems of pigmy stars we have, it is true, no telescope, or even microscope to help us; but little by little we are constructing a powerful logical engine, which is destined at no very distant day to bring the revolutions, rotations, and oscillations of these minute orbs as clearly to the mind's eye as are now the motions of the world and suns of the greater physical universe.

When will the Kepler come to marshal the present ever increasing array of facts and queries into one great and consistent whole? When will a second Newton appear to solve the riddle of that complex microcosm we call a molecule? This their problem: to penetrate, as far as it is permitted to human reason, that wonderful mysterious whole we call matter, whose solar systems are molecules, whose worlds are atoms.

THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY FOR THE QUARTER ENDING JUNE 30, 1894.

MEMBERS OF THE UNIVERSITY, TRUSTEES, INSTRUCTORS, STUDENTS, FRIENDS :

We celebrate, this afternoon, the beginning of a new year of University work. It is not a difficult task to recall the history of the University from the beginning. A little more than five years ago the first proposition was made, the first pledge of funds for the establishment of a University in Chicago, announced in Boston. Was there anything significant in the fact that this first proclamation came from the seat of our oldest University? Four years ago the friends of the University celebrated the completion of the first subscription fund, which amounted to one million dollars; the trustees were elected and held their first meeting. Three years ago today it was my privilege to accept the first appointment on the University staff, and on the same day the papers were signed in accordance with which the funds were provided for the foundation of the Ogden School of Science. Two years ago this week the University was still a thing of the future, although its future had become more sure by the completion, during that week, of the million dollar fund for buildings and equipment. A year ago we celebrated the close of our first year of scholastic work. Today, in the light of the experience of the past, with a momentum which has increased steadily from the beginning of our work, with the generous sympathy of a great constituency, we begin the duties of the third scholastic year.

The Second Scholastic Year.

A fact or two with reference to the work of the year just closing will not be uninteresting. On account of the World's Columbian Exposition, the year has been one of three quarters instead of four. During these three quarters there have been enrolled at the University 976 students, of whom 491 have been in attendance in the Academic and University Colleges, 180 in the Divinity School, 305 in the Graduate School. This number, compared with that of the first year, 753, shows an increase of 27 per cent. In June, 1893, the number of applicants for entrance examinations was 173; in June, 1894, the number had more than doubled, being 356. The instructors engaged at work during the Autumn Quarter numbered 126, with 20 on leave of absence; during the Winter Quarter, 130, with 17 on leave of absence; during the Spring Quarter,

128; the total number being 154. The number of instructors during the first year was 140. The staff of the University today includes 15 Head Professors, 24 Professors, 2 Professorial Lecturers, 20 Associate Professors, 26 Assistant Professors, 22 Instructors, 9 Tutors, 16 Assistants, 5 Readers, 10 Docents, and 7 Lecturers, making a total of 154. In addition to this, the University employs 23 officers and clerical assistants, making a total force of 176. When it is remembered that as yet there has been organized no school of medicine, no school of law, no school of technology, no school of music, no school of art, the strength of the University in the faculties already constituted will be apparent.

Changes in the Staff.

It gives me pleasure to announce the following promotions and appointments which have been made since the last Convocation: Rev. Jenkin Lloyd Jones, to a University Extension Lectureship in English Literature; Olaus Dahl, Instructor in Yale University, to a University Extension Lectureship in Scandinavian Languages and Literature; A. H. Wirth, to a docentship in Greek and Latin History; J. I. Hutchinson, fellow, to a docentship in Mathematics; Kurt Laves, docent, promoted to a readership in Astronomy; R. C. H. Catterall, fellow, to a readership in History; H. E. Slaught, fellow, to a readership in Mathematics; A. M. Morrison, of Johns Hopkins University, to an assistantship in Physics; E. C. Quereau, docent, to an assistantship in Palaeontologic Geology. E. O. Sisson, of the South Side Academy, to give instruction during the Summer Quarter in Greek and Greek History at the Morgan Park Academy. Miss Lea R. DeLagneau, Ottawa, Ill., to give instruction in French during the Summer Quarter at the Academy; Richard T. Curtiss, to give instruction in Organic Chemistry during the Summer Quarter; Miss Josephine C. Robertson, State Normal School, New Jersey, to be cataloguer in the library; Miss Kate Anderson, to a tutorship in Physical Culture; Miss Anna F. Davies, to a tutorship in Physical Culture during the Summer Quarter. Clifford H. Moore, of Andover Academy, Mass., to an instructorship in Latin; Julius Stieglitz, assistant, to an instructorship in Analytical Chemistry; Felix Lengfeld, tutor, to an instructorship in Chemistry; Alexander Smith, of Wabash College, Crawfordsville, Ind., to an assistant professorship in Chemistry; F. L. O.

Wadsworth, of the Smithsonian Institution, Washington, D. C., to an assistant professorship in Physics; George A. Mead, of the University of Michigan, to an assistant professorship in Philosophy; James R. Angell, of the University of Minnesota, to an assistant professorship in Experimental Psychology; Oliver J. Thatcher, assistant professor, to a University Extension associate professorship in History. Professor L. A. Sherman, of the University of Nebraska, to give instruction in English during the Summer Quarter; Professor Sylvester Burnham, of Colgate University, to give instruction in Semitic Languages and Literatures during the Summer Quarter; Professor Edwin Post, of De Pauw University, to give instruction in Latin during the Summer Quarter; Rev. George Dana Boardman, D.D., to a professorial lectureship in Ethics; Rev. John Henry Barrows, D.D., to a professorial lectureship on Comparative Religion on the Haskell foundation.

The Intellectual Work of the University.

For the information of the trustees and the friends of the University, there has recently been gathered a list of the books, articles, and reviews published by members of the faculty since their connection with the University. An examination of this discloses the fact that a large amount of work has been accomplished in addition to the regular class-room duties. Thirty-one volumes have been produced and published, each of eighty pages or more. A very incomplete list of the titles of articles and reviews numbers more than 515 different titles. These articles and reviews have appeared in 101 journals, magazines, and other periodicals. Numbers in such work go for little, but it may be assumed that the character of the work is of the highest order, and it is in such work that the influence of the University will be most widely felt.

The Death of Professors Robinson and Simpson.

The history of the year's work, otherwise a most joyous one, has been saddened at its very close by the death of two members of the University staff; one, our oldest professor, a man who for half a century had done valiant service in the cause of truth and education; the other, one of our younger men, just entering upon a career of the greatest promise. Both were ordained ministers and preachers of exceptional power. In both cases the fatal disease had been at work for some time, although at the end the departure was so sudden as to be a shock to every one. Both had entirely finished the work of the year. The lives of these two men have entered into the spirit of the institution. Professor Robinson brought to us the best work of his life. His presence during these two

years was a constant source of inspiration and helplessness. Professor Simpson came in the strength and the vigor of early manhood. The work and the spirit of his best days became the possession of the University. These were precious contributions and their full value will appear more clearly in the days that are to come. Steps have already been taken to arrange for appropriate memorial services early in the autumn.

The Disciples' Divinity House.

At the last meeting of the trustees an agreement was adopted, in accordance with which there will be immediately organized a Divinity House for students of the denomination known as the Disciples. This Divinity House will be under the control of its own trustees, incorporated as a separate legal body in accordance with the laws of the State of Illinois. The trustees of the House will build, in close proximity to the Quadrangles, one or more halls, which shall be used as the home of students for the ministry of this denomination. To these students the University offers its privileges on the same terms as to students living in the houses of the University itself. The trustees of the Divinity House will nominate one or more officers, who shall have charge of the House, the appointment of such officers to be approved by the trustees of the University. These officers thus appointed will confer with the Divinity Faculty on questions which relate exclusively to the interests of the House or its members. The House will have representation also through its principal officer in the University Council. This plan does not create a new Divinity School, for in the nature of things there can be but one Divinity School in the University, just as there can be but one Law School. The plan, however, makes it possible for any denomination of Christians to make ample provision for its students in a way which will at the same time maintain the spirit of the teachings of the denomination, and secure the breadth and thoroughness of University work. It is true that this is something unique in theological education. It is also true that the principle which underlies the plan thus adopted is one which looks toward economy of resources and unity of spirit. Temporary quarters will be secured until a permanent building can be erected. This movement furnishes additional evidence that the day is passed for the establishment of theological schools apart from the University. The fact is that a university without a divinity school is not a university, and that a divinity school standing alone will inevitably come to be one-sided and narrow.

A Lectureship on Comparative Religion.

The World's Parliament of Religions has passed into history. Not many events a century hence will be found to have exerted a more widespread influence than this coming together of the representatives of the world's religions. The University has fallen heir to one of the many blessings, the origin of which may be traced to the Parliament. Deeply impressed by the significance of the Parliament, and fully alive to the possibilities of the Department of Comparative Religion, a friend of humanity and truth, Mrs. Frederick Haskell, has given to the University a fund of \$20,000 for a lectureship on Comparative Religion. In accordance with the terms of the gift, a course of at least six lectures will be delivered each year to all members of the University upon some phase of this important subject. The Rev. John Henry Barrows, the one man to whom more than to all others the world is indebted for the Parliament of Religions, has been appointed by the trustees to the professorial lectureship upon the foundation so generously established by Mrs. Haskell. A contribution has also been made by Mrs. Haskell toward a publication fund for the same department.

An Oriental Museum.

The gift for the establishment of the lectureship of Comparative Religion, magnificent though it was, proved to be only a part of what Mrs. Haskell wished to do for the University. This she had done for herself. I quote from a letter her own words: "The gift for the endowment of the lectureship is from my own heart. It seemed to be the best thing ever presented to me. I hope it may prove a blessing to the world and to those who have an interest in this direction." But in addition to this gift, in honor of her husband and as a memorial for him she has given to the University, for the erection of a building which shall be used as an Oriental Museum and Lecture Hall, the sum of \$100,000. This museum will be one of three devoted to the use of Ancient Languages and Institutions. The others will be a Greek Museum and a Roman Museum. The general plan of the building has already been considered. It is proposed to devote the first floor to Egyptian, Assyrian, Babylonian, and Arabic work. The rooms will be arranged for seminar and lecture purposes. There will also be on this floor an assembly room which will seat one hundred and fifty to two hundred people. The second floor will be given to Biblical work, Hebrew and the New Testament. The third floor will be devoted to other oriental work and to the Department of Comparative Religion. This floor will contain also the library of

the division. While the exterior of the building will be in harmony with the style of architecture already adopted in the other University buildings, the interior of each division of the building will represent the general characteristics of the art and architecture of a particular nation and its civilization. An effort will be made to make the building a laboratory, and to make the environment in each case suggestive of the subject taught. The connection between this building and the lectureship is an obvious one. Naturally the lectures given upon the foundation established by Mrs. Haskell will be delivered in the building which she will erect to the memory of her husband. There is no student of Comparative Religion, no student of Oriental Languages and Civilization who will not be grateful to Mrs. Haskell for this munificent gift.

University Fellowships.

The thanks of the University are due Professor Emil G. Hirsch for provision made for a fellowship in the Department of Comparative Religions, and also for provision made for a fellowship in Mathematics; to Mr. L. J. Lamson for provision made for a fellowship in Chemistry; to a company of Chicago women for provision for a fellowship in Political Economy to be given to the best woman student; to Mr. Charles L. Hutchinson for provision made for a fellowship in Latin; to Messrs. C. R. Crane, Allison Armour, and George A. Armour for provision made for a fellowship in Political Economy; to Mr. Charles Miller, Franklin, Pa., for provision made for a Bucknell fellowship; to Mrs. Ralph Emerson, Rockford, Ill., for provision made for a fellowship in English Literature; to Professor Abby Leach, of Vassar College, for securing the money for a Vassar fellowship in Greek; to Mrs. Harriet Brainard, for securing the money for a fellowship in English Literature. The University has appointed for the following year eighty-six fellows. Of these three are residents of Massachusetts, two of Connecticut, one of Maine, nine of New York, two of New Jersey, three of Pennsylvania, one of West Virginia, one of North Carolina, twenty of Illinois, eight of Indiana, four of Ohio, four of Michigan, four of Wisconsin, three of Minnesota, four of Iowa, three of Missouri, one of South Dakota, one of Kansas, one of Kentucky, one of Tennessee, one of Arkansas, one of Texas, three of California, one of Ontario, Canada, two of Nova Scotia, one of Japan, and one of Germany.

The University desires also to acknowledge its indebtedness to the North-Western Railroad for passes given to members of the staff of the Paleontological department, who will spend the Summer in Western States in collecting fossils for the department.

The Physical Laboratory.

In connection with this Convocation, and indeed as its most prominent feature, the Physical Laboratory erected by Mr. Martin A. Ryerson is formally opened. To the representatives of the sister institutions who are present with us on this occasion, we extend the courtesies of the University. We thank them for the interest in our work which has prompted them to come. We know that they rejoice with us in this, a most important event in our history. Some of us remember the day in June, 1892, when a cablegram was received from Paris announcing a subscription to the million dollar fund of \$150,000. The fund at that time had reached only \$600,000. We had begun to falter, but this gift gave us new courage and in time the million came. It is known that later Mr. Ryerson added to this gift \$75,000 and that today the University possesses in the Ryerson Physical Laboratory a building the most complete and the most beautiful of its kind. The formal transfer of the building to the University will take place tomorrow evening. The addresses and the reception of the evening will conclude the exercises of this Seventh Convocation.

The Million Dollar Subscription.

The friends of the University have not forgotten that a year ago we were compelled to acknowledge failure. The honored President of our Board of Trustees had generously proposed to the University to give the sum of \$100,000 to meet the exceptional expenses of the organization and the pressing demands for general improvements, and for an equipment in keeping with the endowments of the University, provided there should be secured by May 1, 1893, an additional \$400,000, making in all the sum of half a million. The limit of time was afterwards extended to July 1, 1893. For the first time in our history we confessed ourselves defeated. The financial condition of the country at large made it impossible to obtain the funds necessary to comply with the provisions of the gift. In September, Mr. Ryerson kindly renewed his proposition and named July 1, 1894, as the limit of time. Shortly after, Mr. Rockefeller departed from his declared policy to give funds for endowment only, and consented to subscribe the sum of half a million dollars, conditioned upon the securing of the half million called for in Mr. Ryerson's pledge. Many of the friends of the University thought it unwise to attempt to raise so large a sum in view of the financial depression, which seemed all the time to be growing worse instead of better. Others thought that, at all events, an effort should be made. Little or nothing was done during the winter months. About May 1st the can-

vass for subscriptions began. The kindest feeling was found everywhere, but in many cases men whose minds were made up to help the University were compelled to postpone the carrying out of their purpose. The gifts of Mrs. Frederick Haskell, already referred to, gave encouragement. Day by day additional pledges were obtained. Some of these pledges it is true did not comply wholly with the terms of Mr. Ryerson's pledge. When there was placed before him a list of all gifts made to the University after the renewal of his pledge, he generously consented to change the terms of his gift in order that all gifts might be included. Mr. Rockefeller also indicated his willingness to make the same change. Even under these circumstances the effort at times seemed almost hopeless. The financial uncertainty increased day by day. Strikes paralyzed the work of construction in the city, the coal industry of the entire country, and last of all the railroad business of the country; and, as if our patience must be tried to the uttermost, the heat of the month of June in which the work must be finished reached a degree of intensity seldom before known. The fates seem to be against us, but friends came forward and on Saturday last, to the satisfaction of Mr. Ryerson and Mr. Rockefeller, the subscription list was completed and the million dollars secured. When we were within fifteen thousand dollars of the entire amount, and it seemed impossible to secure this sum, Mr. Silas B. Cobb, who had rendered most valuable assistance in our former effort, generously telegraphed that he would contribute this sum. The following is the list of contributors toward the million:

Cash	\$ 1.00
Milo Putney	5.00
Mrs. Horace E. Burt	5.00
J. M. Edson	5.00
D. L. Harris	10.00
M. McGinnis	10.00
I. B. Burgess	15.00
Henry Jayne	20.00
C. R. Henderson	20.00
Clinton Wis. Bap. Ch.	30.00
Plainfield Bap. Ch.	30.00
Mrs. Jane E. Salisbury	50.00
L. P. Scrogin	100.00
H. M. Robinson	100.00
H. P. Taylor	100.00
Mrs. E. O. Van Huse	100.00
The Old University	118.00
W. H. Holden	250.00
Women of Chicago	400.00
Abby Leach, Treas.	400.00
Mrs. Ralph Emerson	400.00
Friends, by Mrs. Brainard	400.00
L. J. Lamsen	420.00
Wm. H. Moore	500.00
E. B. Felsenthal	500.00
A. H. Wolfe	500.00

Wm. T. Brown.....	500.00
Edward Morris.....	500.00
W. H. Alsip.....	500.00
F. A. Smith.....	500.00
G. W. Henry.....	500.00
Wm. R. Page.....	500.00
D. G. Hamilton.....	500.00
Leon Mandel.....	500.00
C. R. Corwith.....	500.00
E. R. Bliss.....	500.00
R. O. Waller & Co.....	500.00
Siegel & Cooper.....	500.00
Mrs. E. G. Kelly.....	500.00
Walter H. Wilson.....	700.00
Walter T. Nash.....	575.00
E. G. Hirsch.....	600.00
W. B. Brayton.....	1,000.00
O. W. Potter.....	1,000.00
R. R. Donnelley.....	1,000.00
Chas. Miller.....	1,000.00
Wm. Borden.....	1,000.00
G. F. Swift.....	1,000.00
Edson Keith.....	1,000.00
Miss Amanda S. Cook.....	1,000.00
Franklin MacVeagh.....	1,000.00
C. C. Bowen.....	1,000.00
Michael Brand.....	1,000.00
C. W. Fullerton.....	1,000.00
Schlesinger & Mayer.....	1,000.00
E. L. Hedstrom.....	1,000.00
Andrew McLeish.....	2,000.00
Geo. A. Fuller.....	2,500.00
A. A. Sprague.....	5,000.00
A. Friend.....	5,000.00
Knickerbocker Ice Co.....	5,000.00
C. L. Hutchinson.....	5,400.00
H. H. Kohlsaat.....	10,000.00
S. B. Cobb.....	15,000.00
Geo. C. Walker.....	17,500.00
Mrs. C. E. Haskell.....	20,000.00
S. A. Kent.....	35,000.00
Mrs. C. E. Haskell.....	100,900.00
Martin A. Ryerson.....	100,000.00
John D. Rockefeller.....	651,000.00

Additional Subscriptions.

In presenting a statement of the total contributions of this year, notice must be taken of two or three special gifts not counted in the million.

When it was seen that the \$150,000 given by Mr. Ryerson for the building of the Physical Laboratory was not sufficient, he kindly added the sum of \$75,000, of which \$15,000 was assigned to the purchase of apparatus.

Reference was made at a former Convocation to the gift of \$5,000 by the congregation of the Sinai Temple for the purchase of books in the Department of Semitic Languages and Literatures.

Within twenty-four hours there has been received from Mr. William E. Hale, of Chicago, the gift of the astronomical, physical, photographic, and mechanical equipment of the Kenwood Observatory. The equipment consists of a 12-inch equatorial telescope with visual lens and 12-inch lens for photographic work, including its pier and dome, also a spectro-heliograph and other attachments for solar and stellar observations and photography. The value of this gift is \$30,000. The total of gifts to the University during the year just closing has been more than \$1,100,000. If ever institution had true friends, surely it is our institution. For the kindness of heart which prompted them under circumstances so disadvantageous to help us accomplish this, the greatest effort yet made by the University, let us be grateful to God.

May I, in conclusion, recount the progress step by step of these few years. First of all, the promise in May, 1889, of \$600,000 by Mr. Rockefeller, if \$400,000 more should be secured. In connection with this and in addition to it, the gift of land by Mr. Field. Next, the million given by Mr. Rockefeller for graduate instruction in September, 1890. In July, 1891, the Ogden gift, of which one-third—a quarter of a million—has been received. In October, 1891, the gift of \$40,000 for the Berlin Library. In February, 1892, another million from Mr. Rockefeller. In May, the union of the theological seminary, with its funds and property, amounting to \$300,000. In July, the completion of the million dollar subscription for buildings and equipment. In October, 1892, almost upon the day of our opening, Mr. Yerkes' gift for the Observatory, which will amount to at least a quarter of a million. In December, another million from Mr. Rockefeller, a Christmas gift, and now a million for equipment and general expense. I mention all this that I may thank the noble friends who have treated us so magnificently, and that, at the same time, I may call to your notice the vacant space all about us, and the fact that we have no School of Law, no School of Medicine, no School of Music, no School of Technology. We have made a beginning, a good beginning, a large beginning, but only a beginning. May the God who has thus far guided us continue his watchcare; and enable us to move forward with only those difficulties which we need to meet, in order that our growth may be solid and substantial.

PRESENTATION OF MR. ROCKEFELLER'S PORTRAIT.

After the regular exercises, the large audience repaired to the Chapel in Cobb Hall, where the full length portrait of Mr. Rockefeller, painted by the celebrated artist, Eastman Johnson, was unveiled. This is the graceful gift of a number of Chicago gentlemen, the idea being suggested by that lover of art, Mr. Charles L. Hutchinson, of the Board of Trustees. The portrait is an admirable one, the coloring being soft and pleasing. Mr. Rockefeller is seated by a table, his face giving a partially side view, yet looking directly at the beholder. The pose is natural, and the likeness most excellent. The students, as they now gather in the chapel, will see before them the lifelike image of the honored founder. No gift could be more satisfactory, and those who secured it may be assured of the gratitude of the students. The services in connection with the unveiling were very simple, President Harper explaining the nature of the gift, and Mr. Ryerson accepting it on behalf of the Board of Trustees.

President Parper said: The founder of our University has not yet visited us. We have his assurance that at an early date he will comply with the request so frequently and so urgently made to come to the University. But although he will come, he must of course go away again. Is anything more necessary than that we should have at the University a representation to the eyes of the features and the form of the man who had a heart so large and a head so clear as to lead him to do for the cause of education what he has done? The life-size portrait of Mr. Rockefeller, painted by Eastman Johnson, will now be presented to the University. This portrait is a gift of the following gentlemen: Messrs. Ed. E. Ayer, William T. Baker, T. B. Blackstone, H. Botsford, Cyrus H. McCormick, Charles Counselman, H. H. Getty, D. G. Hamilton, H. N. Higinbotham, Charles L. Hutchinson, H. H. Kohlsaat, L. Z. Leiter, Andrew McLeish, Franklin MacVeagh, Thomas Murdoch, George A. Pillsbury, George M. Pullman, Martin A. Ryerson, Byron L. Smith, A. A. Sprague, George C. Walker. The University appreciates the spirit which has led these men, leading citizens of Chicago, to secure the painting of the portrait of our honored founder, and the courtesy which is implied in the gift of the same to the University. It will be possible now for every student and every friend of the University to study and to know the face of him to whom we are so greatly indebted.

Mr. Ryerson, as President of the Board of Trustees, in accepting the gift, said:

LADIES AND GENTLEMEN: On all the official publications of the University of Chicago you will find, associated with its corporate name, the words "Founded by John D. Rockefeller." Never was the word "founded" more appropriately used, for we all realize that without Mr. Rockefeller's initiative and generous encouragement this University would not have come into existence.

It is a significant and important fact that the man who so clearly saw the advantages and possibilities of this city as the seat of a great University should have been the resident of another and a distant community. This fact was well calculated to give additional weight to his opinion, and awaken an admirable and valuable local enthusiasm. Mr. Rockefeller's judgment came to us as that of a man unbiased by prejudices which we might naturally feel, and we accepted it with confidence. How frequently we have been inspired and encouraged in our work by his liberality, those who are present here need not be told.

It is not often that to such great abilities displaying themselves in a useful industrial and business career is added such a broad, intelligent love of one's fellow man as Mr. Rockefeller has shown. The man who devotes his intelligence and his energies to building up and managing a great business or industry is a useful and worthy citizen, and the fortune which he acquires is both the badge and the reward of his usefulness. The man who adds to abilities so displayed the sentiments of a philanthropist, and to whom wealth so acquired means only opportunity for well-doing, commands our admiration.

On behalf of the Board of Trustees of the University of Chicago I accept the gift of this portrait of the founder of the University, John D. Rockefeller; and I add, with full assurance that I express the sentiments of every member of the Board, that no gift could appeal more strongly to their gratitude. The placing upon the walls of the University of this admirable work by Eastman Johnson, the faithful likeness of one whose personality will always be closely linked with the history of the institution, appeals to the sentiments of every member of the Board as a most appropriate action.

I thank the donors of this portrait for a gift which shows a just appreciation, not only of Mr. Rockefeller's relation to the University, but also of the esteem and affection in which he is held by us all.

SCHOLARSHIPS.

Scholarships in connection with the Summer examinations for admission are awarded to the following students:

BALL, FLORENCE F.,
(Geneseo High School).

CAMPBELL, HARRY B.,
(Geneseo High School).

Honorable mention is accorded to:

BALL, HELEN H.,
(Geneseo High School).

HERSCHBERGER, CLARENCE B.,
(Peoria High School).

DEGREES AND CERTIFICATES.

(Conferred at the Summer Convocation).

DEGREES.

DOCTOR OF PHILOSOPHY.

CUMMINGS, JOHN, A.B., Harvard College, '91; A.M., *ibid.* '92; Fellow in the University of Chicago, '93-4; Reader in Political Economy, *ibid.* '94.

Department: *Political Economy*,
Thesis: *The Poor Law System of the United States*.

LILLIE, FRANK RATTRAY, A.B., University of Toronto, '91; Assistant in Biology, University of Toronto, '90-1; Fellow in Morphology, Clark University, '91-2; Fellow in the University of Chicago, '92-3; Reader in Embryology, *ibid.*, '93-4; Reader in Histology, *ibid.*, '94.

Department: *Anatomy and Histology*.
Thesis: *The Embryology of the Unionidae*.

POYEN-BELLISLE, RENÉ DE, L.B., Lycée de Bordeaux; Fellow, Johns Hopkins University, '92-3; Honorary Fellow, University of Chicago, '93-4; Assistant in Romance Philology, *ibid.*, '94.

Department: *Romance Literature and Philology*.
Thesis: *The Sounds and Forms of the French Creole in the West Indies*.

SMITH, WARREN RUFUS, A.B., Bowdoin College, '90; Scholar in Chemistry, Clark University, '91-2; Fellow, University of Chicago, '92-4.

Department: *Chemistry*.
Thesis: *On the Addition Products of the Aromatic Isocyanides*.

SOARES, THEODORO GERALDO, A.B., University of Minnesota, '91; Fellow in History, *ibid.*, '91-2; A.M., *ibid.*, '92; Fellow in Ancient History, the University of Chicago, '92-4.

Department: *Ancient History*.

Thesis: *A Contribution to the Criticism of the Book of Chronicles*.

MASTER OF ARTS.

ARCHIBALD, WILLIAM LAIRD, A.B., Acadia University '92; Graduate Student in the University of Chicago, '92-4.

Department: *Semitic*.
Thesis: *The Mosaic System and the Epistle to the Hebrews*.

DICKIE, HENRY, A.B., Dalhousie College, '83; Princeton Theological Seminary, '86; Graduate Student in the University of Chicago, '93-4.

Department: *Semitic*.
Thesis: *The Egyptian Allusions in the Book of Deuteronomy*.

FARR, MARCUS STULTS, A.B., Princeton College, '92; S.M., *ibid.*, '92; Fellow in the University of Chicago, '93-4.

Department: *Palaeontology*.
Thesis: *The Osteology of the large Ignanas of the Galapagos Islands*.

HOWERTH, IRA WOODS, A.B. Harvard College, '93; Graduate Student in the University of Chicago, '93-4.

Department: *Sociology*.
Thesis: *Are the Italians a Dangerous Class?*

JOHNSON, LUTHER APELLES, A.M., Trinity University, '86; Ph.D., Bethel College, '87; Graduate Student in the University of Chicago, '93-4.

Department: *English.*

Thesis: *The Influence of Sir Philip Sidney on English Literature.*

LEARNED, HENRY BARRETT, A.B., Harvard University.
'90; Graduate Student in the University of Chicago, '93-4.

Department: *History, Political Economy, Social Science.*

Thesis: *The Social Philosophy of Adam Smith.*

MASTER OF PHILOSOPHY.

ATKINSON, DAVID CLARENCE, A.B., University of Indiana, '93; Graduate Student in the University of Chicago, '93-4.

Department: *Philosophy.*

Thesis: *Attempt of Chicago to meet the Positive Needs of the Community.*

SIKES, GEORGE CUSHING, S.B., University of Minnesota, '92; Graduate Student in the University of Chicago, '93-4.

Department: *Political Economy.*

Thesis: *The Apprentice System.*

BACHELOR OF DIVINITY.

(THE UNIVERSITY.)

ALLISON, MATTHEW GAY, A.B., Dalhousie College, '86; A.M., Princeton College, '89; Union Theological Seminary, '90; Student in the Graduate Divinity School of the University of Chicago, '93-4.

Thesis: *The British Poor Laws.*

COON, DAVID BURDETT, S.B., Milton College, '91; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *The Term 'Lord's Day' in History.*

HORNE, GEORGE, A.B., Ottawa University, '91; Student in the Graduate Divinity School of the University of Chicago, '92-4.

SANDERSON, EUGENE CLAREMONT, A.B., Oskaloosa College, '83; A.M., Drake University, '86; D.B., Drake Divinity School, '93; Student in the Graduate Divinity School of the University of Chicago, '93-4.

SHATTO, CHARLES ROLLIN, A.B., Western College, Toledo, Iowa, '90; Student in the Graduate Divinity School of the University of Chicago, '93-4.

WARD, JOHN ALBERT, S.B., Western College, '89; Student in the Graduate Divinity School of the University of Chicago, '93-4.

Thesis: *The Significance of Sacrifice.*

WIGHT, WALLACE EDWARD, A.B., Kalamazoo College, '92; Student in Graduate Divinity School of the University of Chicago, '92-.

Thesis: *Analysis and Key to the Symbols of the Book of Revelation.*

BACHELOR OF DIVINITY.

(THE THEOLOGICAL UNION.)

NORDLANDER, ERIC JOHAN, Morgan Park Theological Seminary; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *The Doctrine of a Second Probation.*

BACHELOR OF THEOLOGY.

(THE THEOLOGICAL UNION.)

BIXON, FRANK PRINCE, Denison University; Ohio Institute for the Blind; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *Henry Ward Beecher.*

DAVIES, FREDERICK GEORGE, Nebraska City College; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *Conversion of the Goths.*

ELLIOTT, JOHN WATERMAN, Morgan Park Theological Seminary; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *The Perseverance of the Saints.*

MARTIN, BENJAMIN F., Morgan Park Theological Seminary; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *Charles Haddon Spurgeon as a Preacher.*

STEWART, JOHN HENRY, Morgan Park Theological Seminary; Student in the Graduate Divinity School of the University of Chicago, '92-4.

Thesis: *The Protectorate of Oliver Cromwell.*

BACHELOR OF ARTS.

BEHAN, WARREN PALMER.

CHADBOURN, FRANK WESLEY.

DINGEE, GERTRUDE PARKER.

KRUSE, WILLIAM HENRY.

LEWIS, ALBERT BUELL.

LOZIER, HORACE GILLETTE.

MORGAN, EDWIN.

NORTHERUP, ALFRED SAYLES.

PIERCE, EARLE VAYDOR.

PORTER, ELIZABETH.

THE QUARTERLY CALENDAR.

BACHELOR OF PHILOSOPHY.

CHURCH, HARRY VICTOR.
 KEITH, ELLA MAY.
 PRESCOTT, WILLIAM HOWARD.
 RADFORD, MAUDE LAVINIA.
 WALKER, FLORENCE MEROY.

BACHELOR OF SCIENCE.

BLACKMARR, FRANK HAMLIN.
 GUYER, MICHAEL FREDERIC.
 HUBBARD, MARION ELIZABETH.
 MAROT, MARY LOUISE.
 McCAFFERTY, LULU.
 WHITSON, ANDREW ROBINSON.

CERTIFICATES.

THE ACADEMIC COLLEGES.

CLARK, FAITH BENITA.
 COOK, AGNES SPOFFORD.
 DE GRAFF, CORA EAMES.
 FURNESS, MARY.
 GALE, HENRY GORDON.
 GETTYS, CORA MARGARET.
 GOODHUE, EMMA LOUISE.
 HOBART, RALPH HASTINGS.
 HUGHES, ROBERT LEE.
 HULSHART, JOHN.
 KARPEN, JULIUS.
 LEISER, JOSEPH.
 LEWIS, MARY CATHERINE.
 LEWIS, SUSAN WHIPPLE.
 LUTRELL, ESTELLE.
 PACKER, ANNA SOPHIA.
 ROGERS, MAY JOSEPHINE.
 SHERWIN, ANNETTE.
 VAN VLIET, ALICE.
 WILLIAMS, JOHN WILLIAM.

THE THEOLOGICAL UNION.

BLAKE, JAMES (English).
 Thesis: *The Early Influences which formed Nero's Character.*
 GRABLAHOFF, WILIKO (English).
 Thesis: *The Eastern Church.*
 GRARUP, CHRIST PETERSEN (Dano-Norwegian).
 Thesis: *The Person and Work of the Holy Spirit.*
 LARSEN, NELS R. (Dano-Norwegian).
 Thesis: *The Idea of Law in the New Testament and the Christian's Relation to it.*
 LAUDAHL, NELS SORENSON (Dano-Norwegian).
 Thesis: *The Relation Between the Old and New Testaments.*
 LAWRENCE, ANTONE OLIVER (Swedish).
 Thesis: *The Kingdom of Heaven from the New Testament Point of View.*
 NELSON, CARL ANTONE (Swedish).
 NELSON, SVEN AUGUST (Swedish).
 Thesis: *A Church Member's Duty.*

*THE ACADEMY CONVOCATION.

The Convocation Address, "The Ethical Element in Academic Instruction," was delivered by Professor Sylvester Burnham, D.D., of Colgate University.

Abstract of Address.

Life defies analysis. That which lives is simply one and indivisible. Homogeneousness in and by all diversity, is the essential condition of all life. Whenever this law of life is violated, or its activity suspended, a monstrosity is the result. The tree grows at every point of its living fibre; the leaves unfold themselves on every branch and twig. Stop anywhere their unity of growth and you have a deformed anomaly. The body of man, in like manner, grows by the same law at all points. Man grows in his totality, not in sections.

Then every living being is a unit; and harmonious progress alone, progress throughout the whole unity, is life. A partial development, even though it may be a real progress of part of the unity, means that to a greater or less extent death has begun, and the life is only partial and incomplete.

Psychically, a man is equally a unit. We may for the purposes of our metaphysics divide him into head and heart, into intellect, sensibilities, and will. But the division is for metaphysics only. It has a metaphysical truth back of it, and is metaphysically valuable. But it has no worth or value when we think of man as a living being in a living world, or have to do with him in this relation. Here he is one and indivisible.

It follows, therefore, that man cannot be educated in sections. We cannot educate the head and utterly ignore and neglect the heart. Nor can the heart be educated while the head is ignored and neglected. Or, if it is true that either of these things can in some limited way be done, the result is not a man, but a monster. For education is only the developing of life, so far as it is determined by the functions of the soul, into a fuller and more perfect form. The processes and the results must, therefore, be under the same laws as appear in the progress and growth of life in general.

Upon this general view the speaker based his argument in behalf of a culture in which the ethical element shall have its recognized place. Without such culture education will always be narrow, one-sided and false. It is culture, and not merely skill, the knowledge that is falsely so called, that gives to life

its fullness and completeness. If education does not produce life, what has it done? The education that simply increases things, and does not multiply men to use them, is not doing much for the world. To be able to earn more dollars, and to earn them faster, if there is no ability to use them to the best advantage when once they are earned; if they simply increase a man's possessions and add nothing to his life, they have really added nothing to him. "Is it not," it is asked, "just here that a great danger of American life is to be found?"

The true educator, then, the real teacher, is he who does his utmost, not to impart knowledge as his final aim, not to fit boys and girls to be successful in business, or to acquire the means of living, but to enlarge life for those under his care, and to prepare them to live the larger life. No education at all is almost, if not quite, preferable to any other education but this.

To the objection that in this view religious teaching must form an element in the education given in schools and academies, even those maintained by the state, it is replied that while "it is true that religious instruction and training are essential for any complete and true culture, as they are for any full and rich life," still "state education is of necessity partial and incomplete," just as state protection of life and property are so. What the state cannot do in this regard the church must do. But even the state may lay a foundation for that which the church must do in the religious part of necessary ethical culture. It can inculcate much of that which shall make manly men and womanly women, with all that which fosters good citizenship, loyalty to the laws, and the practice of virtues. To this religion must add its own higher teaching, grounded in revelation and with Jesus as the great exemplar.

In closing, the speaker dwelt upon applications of the truth urged to events now passing. The great mistake and the great cause of pending mischief amongst us is in the fact that the American people have so much forgotten that great teaching of our Lord, that "a man's life does not consist in the abundance of the things which he possesseth."

SCHOLARSHIP AND CERTIFICATE.

A Scholarship in connection with the work of the Spring Quarter was awarded to Henry Dietrich.

An Academy Certificate was granted to Carl Seward Reed.

* Held at Blake Hall, Morgan Park, Friday, July 6, 1894.

IMPORTANT OFFICIAL ACTIONS OF THE BOARD OF TRUSTEES.

APRIL-JUNE, 1894.

In April it was ordered that in place of the three-fold classification of lectures before prevailing in the *University Extension Division*, the lecturers should be grouped in two classes, A and B—that for a course of six lectures in class A, \$125 should be charged instead of \$150, as formerly; that all lecturers of the rank of Assistant Professors or above be included in class A; that lecturers in class B should be those who are of rank, qualifying them to give instruction in the University proper, lower than the rank of Assistant Professor, and that for a course of six lectures in class B, \$100 should be charged.

The following statute was adopted defining the duties of the Chaplain: "The University Chaplain. It is the duty of the Chaplain, in coöperation with the President and other officers, to study and propose methods of promoting the spiritual life; to serve as needed in religious exercises; to minister as a pastor when desired, and to counsel with the religious and benevolent organizations in the interest of harmony and efficiency."

In May five scholarships were established for the benefit of the graduates of Wayland Academy, of Beaver Dam, Wis., to be called the *Charles L. Colby Scholarships*.

Associate Professor Nathaniel Butler was appointed to represent the University in the University Extension Congress, to be held in Cambridge, England, in June.

A contribution of \$20,000 for the endowment of a Lectureship in Comparative Religion was accepted from *Mrs. Caroline E. Haskell*.

In June it was ordered that the *University Extension World* be published quarterly.

The agreement with the *Trustees of the Disciples Divinity House* was adopted.

The following gentlemen were elected *members of the Board of Trustees of the University* for three years: Hon. J. M. Bailey, A. K. Parker, D.D., Edward Goodman, Ferd W. Peck, F. A. Smith, W. H. Holden, Chas. L. Hutchinson.

The following *Officers of the Board of Trustees* for the year 1894-5 were elected: Martin A. Ryerson, President; Henry A. Rust, Vice President; Chas. L. Hutchinson, Treasurer; Henry A. Rust, Comptroller; Thomas W. Goodspeed, Secretary.

The *Executive Committee* for the year 1894-5 was constituted as follows:

Wm. R. Harper, Martin A. Ryerson, Henry A. Rust, Chas. L. Hutchinson, Edward Goodman, Andrew McLeish, Daniel L. Shorey, Fred A. Smith, Geo. C. Walker.	}	<i>Ex-officio.</i>
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W. B. Brayton was appointed to take charge of the property of the University at Morgan Park and requested to meet with the Executive Committee.

A number of the friends of the University having presented to the University the portrait of the founder, *John D. Rockefeller*, the Secretary was directed to convey to the donors the thanks of the Board of Trustees.

At a special meeting held July 2, the successful completion of the \$1,000,000 subscription was announced.

A letter was also read from *Wm. E. Hale*, of Chicago, giving to the University the entire equipment of the Kenwood Observatory.

PROMOTIONS AND NEW APPOINTMENTS TO THE UNIVERSITY

DURING THE QUARTER ENDING JUNE 30, 1894.

1. *Members and Graduates of the University:*

STRATTON, SAMUEL W., Assistant Professor to an *Associate Professorship in Physics*.

THATCHER, OLIVER J., Assistant Professor to an *University Extension Associate Professorship in History*.

LENGFELD, FELIX, Tutor to an *Instructorship in Chemistry*.

STIEGLITZ, JULIUS, Assistant to an *Instructorship in Analytical Chemistry*.

CURTISS, R. T., Docent to give instruction in Organic Chemistry during the Summer Quarter.

QUEREAU, E. C., Docent to an *Assistantship in Palæontologic Geology*.

LAVES, KURT, Docent to a *Readership in Astronomy*.

CATTERALL, R. C. H., Fellow to a *Readership in History*.

SLAUGHT, H. E., Fellow to a *Readership in Mathematics*.

J. I. HUTCHINSON, Fellow to a *Docentship in Mathematics*.

DAVIES, ANNA F., Graduate Student to a *Tutorship in Physical Science*, during the Summer Quarter.

SISSON, E. O., Graduate Students, to give instruction in Greek and Greek History at the Morgan Park Academy, during the Summer Quarter.

2. *Members of Other Institutions. etc.:*

BARROWS, JOHN HENRY, Chicago, to a *Professorial Lectureship on Comparative Religion*.

BOARDMAN, GEORGE DANA, Philadelphia, to a *Professorial Lectureship in Ethics*.

BURNHAM, SYLVESTER Professor in Colgate University, to give *Instruction in Semitic Languages and Literatures* during the Summer Quarter.

POST, EDWIN, Professor in DePauw University, to give *Instruction in Latin* during the Summer Quarter.

SHERMAN, L. A., Professor in the University of Nebraska, to give *Instruction in English* during the Summer Quarter.

ANGELL, JAMES R., of the University of Minnesota, to an *Assistant Professorship in Experimental Psychology*.

MEAD, GEORGE A., of the University of Michigan, to an *Assistant Professorship in Philosophy*.

SMITH, ALEXANDER, of Wabash College, Crawfordsville, Indiana, to an *Assistant Professorship in Chemistry*.

WADSWORTH, F. K. O., of the Smithsonian Institution, Washington, D. C., to an *Assistant Professorship in Physics*.

MOORE, CLIFFORD H., of Andover Academy, Massachusetts, to an *Instructorship in Latin*.

ANDERSON, KATE, to a *Tutorship in Physical Culture*.

ROBERTSON, JOSEPHINE C., State Normal School, New Jersey, to be *Cataloguer in the General Library*.

MORRISON, A. M., of Johns Hopkins University, to an *Assistantship in Physics*.

WIRTH, ALBRECHT, to a *Docentship in Greek and Latin History*.

DAHL, OLAUS, instructor in Yale University, to a *University Extension Lectureship in Scandinavian Languages and Literature*.

JONES, JENKIN LLOYD, Chicago, to a *University Extension Lectureship in English Literature*.

AWARD OF GRADUATE SCHOLARSHIPS AND FELLOWSHIPS

FOR THE YEAR 1894-5.

GRADUATE SCHOLARSHIPS.

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| CHASE, CLEVELAND KING, <i>Latin</i> , A.B., Oberlin College, '91. | PERISHO, ELWOOD CHAPPELL, <i>Geology</i> , S.B., Earlham College, '87; S.M., <i>ibid.</i> , '91. |
| FORD, ELIZABETH KEITH, <i>Geology</i> , Daughters College, Kentucky. | ROTHROCK, DAVID ANDREW, <i>Mathematics</i> , A.B. University of Indiana, '92; A.M., <i>ibid.</i> , '93. |
| HART, JAMES NORRIS, <i>Astronomy</i> , B.C.E., Maine State College, '85; C.E., <i>ibid.</i> , '90. | TANNER, AMY, <i>Philosophy</i> , A.B., University of Michigan, '93. |
| MCCASKILL, EVERETT, <i>Zoology</i> , A.B., Ohio Wesleyan University. | TORRANCE, STILES ALBERT, <i>Latin</i> , A.B., Cornell University, '94. |
| NOYES, EDMUND SPENCER, <i>Political Science</i> , A.B., Beloit College, 1892. | WILLIS, HENRY PARKER, <i>Political Economy</i> , A.B., University of Chicago, '94. |

HONORARY FELLOWSHIPS.

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| BRAINARD, HARRIET C., <i>English</i> , Ph.B., Cornell University, '76. | CARPENTER, FREDERICK IVES, <i>English</i> , A.B., Harvard University, '85. |
| TUNNICLIFF, HELEN HONOR, <i>Political Science</i> , A.B., Vassar College, '89. | |

FELLOWSHIPS.

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| ALDEN, GEORGE HENRY, <i>History</i> , S.B., Carleton College, '91; A.B., Harvard University, '93. | CHILD, CHARLES MANNING, <i>Zoology</i> , Ph.B., Wesleyan College; S.M., <i>ibid.</i> |
| BAIN H. FOSTER, <i>Geology</i> , B.S., Moore's Hill College, '90; M.S.; <i>ibid.</i> , '94. | CLAPP, CORNELIA MARIA, <i>Zoology</i> , Ph.D., Syracuse University; Ph.D., <i>ibid.</i> , '89. |
| BARRETT, STORRS BARROWS, <i>Astro-Physics</i> , A.B., University of Rochester, '89. | COFFIN, FULTON JOHNSON, <i>Comparative Religion</i> , A.B., Dalhousie College, '86; A.M., Princeton College, '89. |
| BOWEN, MARY, <i>English</i> , Ph.B., Iowa College, '93. | COOKE, ELIZABETH, <i>Physiology</i> , S.B., University of Michigan, '93. |
| BOYER, EMANUEL ROTH, <i>Zoology</i> , A.B., Harvard University, '90. | CRANDALL, REGINA CATHERINE, <i>History</i> , A.B., Smith College, '90. |
| BRODE, HOWARD STIDHAM, <i>Zoology</i> , Graduate Illinois Normal University, '88. | CUTLER, SUSAN RHODA, <i>Romance</i> , A.B., Western Reserve University, '85. |
| BROWN, GEORGE LINCOLN, <i>Mathematics</i> , S.B., University of Missouri, '92; S.M., <i>ibid.</i> , '93. | DAINS, FRANK BURNETT, <i>Chemistry</i> , Ph.B., Wesleyan University, '90; S.M., <i>ibid.</i> , '91. |
| CALVERT, GEORGE CHAMBERS, <i>Political Economy</i> , Ph.B., De Pauw University, '93; A.M., <i>ibid.</i> , '94. | |

- DAVIS, WALTER SCOTT, *History*, A.B., De Pauw University, '89; A.M., Cornell University, '92.
- DICKSON, LEONARD EUGENE, *Mathematics*, S.B., University of Texas, '93; A.M., *ibid.*, '94.
- ERICKSON, FRANK MORTON, *Greek*, A.B., Wabash College, '92.
- FERTIG, JAMES WALTER, *History*, A.B., University of Nashville, '90; A.M., *ibid.*, '91.
- FOWLER, FRANK HAMILTON, *Comparative Philology*, A.B., Lombard University, '90.
- GILBERT, EMMA LARGE, *Latin*, A.B., Cornell University, '90.
- GILLESPIE, WILLIAM, *Mathematics*, A.B., University of Toronto, '93.
- GOLDTHWAITE NELLIE E., *Chemistry*, B.S., University of Michigan, '94.
- GORDIS, WARREN S., *Latin*, A.B., University of Rochester; A.M., *ibid.*, '91.
- GORDON, CHARLES HENRY, *Geology*, S.B., Albion College, '86; S.M., *ibid.*, '90.
- HARDING, WILLIAM FLETCHER, *Political Economy*, A.B., University of Indiana, '93.
- HARDY, SARAH MCLEAN, *Political Economy*, Ph.B., University of California.
- HEIDEL, WILLIAM ARTHUR, *Greek*, A.B., Central Wesleyan College, '88; A.M., *ibid.*, '91.
- HEIM, EPHRAIM M., *Latin*, A.B., Bucknell University, '89.
- HENRY, WILLIAM ELMER, *English*, A.B., University of Indiana, '91; A.M., *ibid.*, '92.
- HESSE, BERNHARD CONRAD, *Chemistry*, Ph.C., University of Michigan, '89; S.B., *ibid.*, '93.
- HOPKINS, THOMAS CRAMER, *Geology*, S.B., De Pauw University, '87; S.M., *ibid.*, '90; A.M., Leland Stanford Junior University, '92.
- HOXIE, ROBERT FRANKLIN, *Political Economy*, Ph.B., University of Chicago, '93.
- JOFFE, SOLOMON ACHILLOWITZ, *Mathematics*, S.M., University of the City of New York, '93.
- JONES, LAURA AMELIA, *Semitic*, A.B., Wellesley College, '82; A.M., *ibid.*, '91.
- KERN, PAUL OSCAR, *German*,
- KÜMMEL, HENRY BARNARD, *Geology*, A.B., Beloit College, '89; A.M., Harvard University, '92.
- LA MONTE, LILLIAN, *English*, A.B., Vassar College, '89.
- LINSCOTT, HENRY FARRAR, *Comparative Philology*, A.B., Bowdoin College, '92; A.M., *ibid.*, '93.
- LOOY, WILLIAM A., *Zoölogy*, S.B., University of Michigan, '81; S.M., *ibid.*, '84.
- MALLORY, HERVEY FOSTER, *Semitic*, A.B., Colgate University, '90.
- MEAD, ALBERT DAVIS, *Zoölogy*, A.B., Middlebury College, '80; A.M., Brown University, '92.
- MERRILL, HARRIET BELL, *Zoölogy*, S.B., University of Wisconsin, '90; S.M., *ibid.*, '93.
- MILLION, JOHN WILSON, *Political Economy*, A.B., William Jewell College, '89; A.M., *ibid.*, '91.
- MOORE, ADDISON WEBSTER, *Philosophy*, A.B., DePauw University, '90; A.M., *ibid.*, '93.
- MOSLEY, JOEL RUFUS, *Political Science*, S.B., University of Nashville, '92; S.M., *ibid.*, '93.
- MUNSON, JOHN P., *Zoölogy*, S.B., University of Wisconsin, '87; S.M., *ibid.*, '92.
- NEFF, THEODORE LEE, *Romance*, Ph.B., Asbury (now DePauw) University, '83; A.M., DePauw University, '86.
- PEET, CHARLES EMERSON, *Geology*, S.B., University of Wisconsin, '92.
- PRATT, ALICE EDWARDS, *English*, Ph.B., University of California, '92; Ph.M., University of Chicago, '93.
- READ, ELIPHALET ALLISON, *Systematic Theology*, A.B., Acadia University, '91.
- REYNOLDS, EMILY K., *English*, A.B., Vassar College, '89.
- SAHLSTRÖM, LARS AUGUST, *Greek*, A.B., Amity College, '89; A.M., University of Cincinnati.
- SCOOFIELD, CORA LOUISE, *History*, A.B., Vassar College, '90.
- SHIPLEY, FREDERICK WILLIAM, *Latin*, A.B., University of Toronto, '92.
- SIEBENTHAL, CLAUDE ELLSWORTH, *Geology*, A.B., Leland Stanford Junior University, '92; A.M., *ibid.*, '93.
- SMITH, JAMES ARCHY, *Mathematics*, Ph.B., Denison University, '89; A.M., *ibid.*, '92.
- SQUIRES, VERNON PURINTON, *English*, A.B., Brown University,, '89.

- STUART, HENRY W., *Political Economy*, A.B., University of California, '93.
- SWARTS, SAMUEL ELLIS, *Chemistry*, A.B., Denison University, '79.
- THOMAS, WILLIAM ISAAC, *Social Science*, A.B., University of Tennessee, '84; A.M., *ibid.*, '85; Ph.D., *ibid.*, '86.
- THOMPSON, JAMES WESTFALL, *History*, A.B., Rutgers College, '92.
- TREADWELL, AARON L. *Zoology*, S.B., Wesleyan University, '88; S.M., *ibid.*, '90.
- TUNELL, GEORGE, *Political Economy*, S.B., University of Minnesota, '92.
- WALKER, DEAN AUGUSTUS, *Semitic*, A.B., Yale University, '84; B.D., *ibid.*, '89; A.M., *ibid.*, '90.
- WALKER, FLORENCE MERCY, *English*, Ph.B., University of Chicago, '94.
- WEATHERLOW, JANE KNIGHT, *English*, A.B., Wellesley College, '91.
- WELCH, JEANETTE CORA, *Physiology*, A.B., Wellesley College, '89.
- WHITEHEAD, LOUIS GRANT, *Philosophy*, A.B., University of Michigan, '93; A.M., *ibid.*, '94.
- WHITNEY, ALBERT WURTS, *Physics*, A.B., Beloit College, '91.
- WILCOX, WILLIAM CRAIG, *Political Science*, A.B., University of Rochester, '88; A.M., *ibid.*, '91.
- WISHART, ALFRED WESLEY, *Church History*, A.B., Colgate University, '89.
- WITKOWSKY, ESTHER, *Romance*, A.B., Vassar College, '86.
- WOOD, FRANCIS ASBURY, *German*, A.B., Northwestern University, '80; A.M., *ibid.*, '83.
- WOODRUFF, CHARLES ELMER, *New Testament Greek*, A.B., University of Pennsylvania, '86; B.D., Crozer Theological Seminary, '89.

IMPORTANT UNIVERSITY EVENTS.

**THE FORMAL GIFT OF RYERSON PHYSICAL LABORATORY.*

Presentation by Mr. Ryerson.

LADIES AND GENTLEMEN: The dedication to science of a new building is not in these days a rare event. We frequently receive from centres of education the news that some great building has for the first time opened its doors to become the home of new educational activities. While the frequency of such ceremonies may lessen in a measure the interest which they excite, we continue to recognize in each and every one an event of some importance, not so much on account of what it may express of benevolent purpose in individuals or institutions, as on account of the increased opportunities which are offered to the world of science. We are living in an age of marvels, and the marvels of the science of today outstrip the marvels of the imagination of yesterday. We all feel that in the years to come there will be developments beyond our present comprehension. Hence when we see opened the doors of an institution equipped for high scientific investigation, we feel this sense of opportunity and our interest is aroused, not so much by what strikes the vision or the hearing, as by the hope and expectancy with which, in imagination, we look forward. We know that in the presence of the great social and industrial problems of the day, we cannot afford to leave concealed any part of the truth which the human intellect is capable of grasping, and that this truth must be sought in the domain of natural science as well as in the domains of religion, ethics, and political science.

We therefore welcome with interest and expectancy each addition to the material equipment which is so necessary for its researches.

The University of Chicago naturally desires to be one of the leaders in the scientific progress of the world. It recognizes the importance of natural science as a field, not only for the instruction of its students, but also for the efforts of its investigators—hence this branch will always hold a high place in the institution. Of this the public must feel assured, for it has so happened that within a year three large buildings have been erected for the study of natural science. Some of our friends may have even come to believe that this scientific work is receiving more than its share of encouragement. Those who have

carefully studied the organization, the history, and the publications of the University, do not need to be reassured on that subject. They must know that while natural science may find at present more outward material expression, by reason of the material equipment necessary to its instruction and researches, the other departments of the University are receiving their full share of attention and rendering their full share of valuable results. And not only does this apply to those departments of learning which deal with facts ascertainable through investigation of the laws of nature or study of the recorded experience of mankind, it applies also, and should apply above all, to those subjects which deal with the ideal.

As President of the Board of Trustees of the University, I have had occasion to learn that there prevails within that body a full appreciation of the opportunities and responsibilities of the future, and I have the utmost confidence in that future; at the same time, having by the erection of this building shown a special interest, which I deeply feel, in the cause of science, I may be permitted to still further show that interest, by expressing the confident hope that the University of Chicago will always fully recognize the fact that all its instruction and all its investigation will be of little value unless they keep in view and tend to enlarge the higher ideals of life. It is even to this end that science should be cultivated. The utilitarian side of the researches of science, of course, appeals to all. We know also that there is a certain connection between well-being and well-doing, and that there is therefore a moral as well as an economic value to those developments of science which tend to add to the material welfare and comfort of mankind; from this standpoint alone natural science stands justified in its most minute researches, for who can predict the ultimate consequences of even the least striking of its discoveries? At the same time we must feel that this increase of material welfare and comfort is not all there is for the accomplishment of science. That branch of human learning which deals with the great truths of nature should hold a much higher place in our estimation and receive its fullest opportunity for higher reasons. It must be encouraged to go beyond the immediately utilitarian field and be numbered

with those subjects which are cultivated for their intellectual and moral value. The laws of nature are a part of the great final truth which the human mind is seeking, and we should recognize in them the will of a superior being whose will it is our duty to ascertain in its most minute regulations, just as we find in the human intellect a divine gift which it is our duty to cultivate and to adorn.

It would be a poor service to mankind to render it incapable of fully appreciating the value of the imagination, to take out of life its poetry and its art. It would be a calamity to lessen its capacity for faith in the fundamental teachings of religion. Science will do neither. It will correct our errors and elevate, not destroy, our ideals. It will sweep away our unreasoning superstitions, but it will at the same time increase our admiration and veneration for the great first cause of all the wonders it discloses, and by doing its important part in the development of the human intellect, add to the capacity of the human race for a higher moral and intellectual life.

Let us this evening in considering the opportunities granted by the opening of this new building, allow our minds to dwell not only on the great, the admirable utilitarian services we may reasonably expect from the science of physics, but also on this higher service which is demanded of it by mankind.

Gentlemen of the Board of Trustees of the University of Chicago, I now tender to you the Ryerson Physical Laboratory, to be the property of the University of Chicago and to be used for the purposes which its name indicates. It is my intention to place upon its walls a tablet suitably recording the fact that it was erected in memory of my father, Martin Ryerson, a man who, in the struggle to overcome the material difficulties of life, found intellectual growth and developed a tender thoughtfulness of the welfare of his fellow man. I hope this laboratory will make a record worthy of his honorable and useful career.

I desire to here express my high appreciation of the intelligent services of the architect of the building, Mr. Henry Ives Cobb, who spared no effort to make it worthy of its surroundings and suited to its purposes. I desire also to thank Head Professor Michelson and Professor Stratton, to whom is due the credit of the scientific arrangement and equipment of the Laboratory, and who watched over its completion with a zeal which augurs well for its future usefulness.

I have only to add that I value highly the opportunity which I have had to aid in the advancement of the great science of physics and at the same time erect a useful and lasting monument to one whose memory I cherish.

Response by President Harper.

MR. RYERSON, AND FRIENDS OF THE UNIVERSITY: On behalf of the Trustees of the University, I accept the magnificent gift which you now formally transfer to us. On behalf of the trustees, the department of physics, the University in all of its departments, I thank you for a gift which will advance the cause of science and thereby uplift the human race. Representing the authorities of the University, I publicly promise you that the building provided by your generosity shall be devoted to the uses which you have designated, and to these uses only. I further pledge you that, in view of the possibilities placed within our reach by this magnificent act on your part, the University will in every way cherish the department of physics, and most earnestly seek to develop it for the purposes of research and instruction.

It is the duty of every section of this great country to make its contribution toward the work of scientific investigation, a work which goes hand in hand with the prosperity and development of the country itself. The West has hitherto been unable to do its part. You, sir, have now made it possible for us to stand side by side with the greatest institutions in this country and abroad, and in this companionship to feel that in the future at least we may hope to share with them the great glory of giving to the world newly discovered truth.

Again I thank you, and may you have the satisfaction which every man who has performed such an act deserves to have.

Our friends will permit me to say a few words concerning the history of the laboratory and its construction. In this statement I make use of the description which has been given in the official programme of the department.

As was said yesterday, the gift of Mr. Ryerson formed a part of the first million secured for buildings and equipment.

The laboratory was completed January 1, 1894. In the design and construction of this building no element of utility has been omitted, and every effort has been made to include all the desirable features of a first-class Physical Laboratory. The walls and floors are strong and heavy; the laboratories on the first floor are provided with piers of masonry in addition to the heavy slate wall-shelves which are found throughout the building. Every laboratory is provided with gas for light or fuel, electricity for light and power, water, compressed air, and vacuum pipes. The laboratories are also equipped with a system of heating apparatus which may be used as a direct or an indirect

system, and is controlled automatically by the most improved form of temperature regulators. Ducts and channels have been provided between the walls and in the floors, so that pipes or wires may be laid from one part of the building to another without difficulty.

The space in the building has been utilized as follows: Rooms for special purposes, small laboratories for work of investigation, large laboratories for general instruction, lecture rooms, class rooms, library, and offices. The first floor is devoted to laboratories for research work, two large constant temperature rooms, and the mechanician's room which is fitted up with all the tools and appliances necessary in the construction and repair of physical apparatus. The rooms of the west wing are free from iron and are devoted to the work in electricity and magnetism. On the second floor there are a large general laboratory for advanced undergraduate work, optical laboratories, a chemical laboratory, a large dark room, two developing rooms, and the large lecture hall with its adjoining apparatus and preparation rooms. The offices of the director and faculty are also on this floor. The third floor is devoted to a general laboratory for the undergraduate work in general physics, which with its adjoining apparatus and preparation rooms occupies the entire third floor of the east wing.

Every effort has been made to provide the undergraduate laboratory with all the conveniences found in the laboratory built for advanced work. It has its workshop in order that the apparatus may be kept in repair and that the students may learn how to keep apparatus in repair as well as how to use it. Upon no laboratory in the building have more thought and care been expended than upon the undergraduate one. On the same floor are found two general laboratories and the rooms designed as the class rooms, library, and reading rooms, which are temporarily used by other departments. The central part of the fourth floor forms a hall for experiments requiring a large space. The roof above this portion is flat and suitable for observations in the open air.

The natural location of the laboratory left it with a few feet of space beneath the ground floor. This space has not been filled in, but utilized for steam pipes, ventilating ducts, and heavy work. The piers of the ground floor are exceedingly heavy, and extend through this space to the solid earth below. This leaves the first floor with all of the advantages of a ground floor, and at the same time dry and comfortable, and without a square foot of waste space.

There may be larger laboratories. There may be one or two that have cost more money; but there is not one which contains as little waste room or as much

working space, or that is provided with as many useful conveniences as the Ryerson Physical Laboratory. It is intended that the laboratory and its equipment shall be for work and not for exhibition purposes.

The one thing that made this result possible was the desire on the part of Mr. Ryerson that no element of usefulness should be sacrificed for beauty, and that the building as a *physical laboratory* should be perfect in design. It may be said on the part of those who have had in charge the planning of the building, that this desire of Mr. Ryerson has made the duty a pleasure rather than a task. If the building possesses faults, those who have had it in charge, and not Mr. Ryerson, must take the responsibility.

It will be noticed by those who have inspected the apparatus and equipment of the laboratory, that while we have but a beginning, it has been selected with especial reference to usefulness, and the elevation of laboratory work to a higher standard than has hitherto been obtained. The apparatus put in the hand of the beginning student is made for *quantitative* work and he is expected and required to get good results. The best equipped room in the building is the mechanician's room; for it is here that the investigator must go for much of his apparatus. It must be constructed under his personal supervision, and when completed needs often to be changed and perfected as the experiment in hand progresses. Most of the fund for equipment has of necessity been spent for the set pieces of apparatus used in general work such as galvanometers, chronographs, balances, standards of length, mass, clocks, and general laboratory appliances. In the future it will be possible to set apart a larger proportion of the fund for apparatus used in work of investigation.

The University desires at this time to make special mention of its indebtedness to Mr. Michelson and Mr. Stratton for the service rendered by them in planning and superintending the construction of the building. It was proper that the men who were to work in the building should have the privilege of determining its character. The exercise of such a privilege always carries with it the assuming of responsibility. The shortcomings of the laboratory, if any such appear, will be charged to these gentlemen. But it is also true that they must receive the credit, so far as technical matters are concerned, for all its excellencies, and these, as our visiting physicists will testify, are not a few.

It is due Professor Stratton to make particular acknowledgement of the satisfaction felt by all, and especially by the head of his department, in respect to the laborious, conscientious, and successful service rendered by him. I take pleasure in announcing that

at a meeting of the trustees held this afternoon he was promoted from an assistant professorship to an associate professorship in the University.

I am sure that I speak for everyone who loves beautiful things, when I express my thanks to the architect, Mr. Henry Ives Cobb, for a piece of work unexcelled in the educational architecture of America.

If the Laboratory were the only thing that Mr. Ryerson had given the University, he would have placed us under obligations from which we could never have released ourselves, but he has given us much more. Not only an additional sum of money amounting to nearly \$150,000, but also time and

thought, advice and direction which no money could have purchased. For all this I wish, at this time, from the bottom of my heart to thank him. No man can estimate what he has done for the University, what he has been to the University.

Mr. Ryerson has tonight given the Laboratory to the University; the University accepts the trust committed to it, and through the department for which it has been erected, will make honest effort to accomplish everything which the friends of science may reasonably expect. May the God who controls the universe bless most richly the man who has so richly blessed us.

MEETING OF PHYSICISTS.

RYERSON PHYSICAL LABORATORY,

JULY 3, AT 3:00 P.M.

Discussion of Methods of Teaching Physics.

On the afternoon of July 3 a meeting of Physicists assembled in the lecture room of the Ryerson Physical Laboratory for the purpose of discussing the best methods of teaching Physics. Head Professor Michelson, as chairman of the meeting, introduced Professor Crew, of Northwestern University, who opened the discussion.

Professor Crew said at the outset that his ideas of the best methods of teaching Physics had undergone considerable change in the course of time; but his mind was still free on most points, and he would gladly exchange ideas with his colleagues. He considered it important to unify the methods of the Lecture Room and the Laboratory, and bring them as close together as possible. It appeared to him that instruction in Physics at most of our American universities was rather "choppy;" that there were too many methods of presentation, and too many subjects presented in a disjointed manner. He also doubted whether different methods and theories should be employed in successive years, and thought that one method should prevail throughout the whole course of study. It did not appear advisable to introduce the topics by definition, but rather in a natural, inductive way, and it was deemed especially important to make clear the connection of remote parts of the subject. The speaker, in illustration of his views, said that the wave theory of light should be reduced to dynamics, and illustrated by certain practical experiments. In treating dynamical equations he would employ Lagrange's generalized coordinates. In the use of apparatus, the instructor was to select such pieces as were suited to the princi-

ples to be illustrated; it is not important to have a large number of pieces of apparatus, but simple appliances well suited to the work in hand.

Professor Carhart, of the University of Michigan, was called upon by the Chair, and in response said that in general he agreed with the remarks of Professor Crew. He was, however, rather more hopeful, as he could remember when the teaching of Physics was mainly a treatment of detached facts, without great underlying principles. He had witnessed great advances, and attributed the greater part of this progress to the influence of American students who had studied in Germany. We now teach more of principles and less of isolated facts. Professor Carhart was of the opinion that it was easy to render Physics too mathematical, and thought that students usually succeed best when experiment is combined with analysis. While he thought that the mathematical treatment of Physics could be overdone, it was true nevertheless that the question of personality in teachers would require different teachers to use different methods. He thought the instruction of students in a class was of much value, and would test their hold on the subject by examinations at fixed intervals. Good practice with simple apparatus was to be recommended for fixing the principles in the minds of the students.

Professor Macfarlane, of the University of Texas, said that Physics is an exact science, a science of dynamics. It was a question when the dynamical methods should be introduced. The speaker thought it well at first to use the inductive method, and gradually lead up to generalized dynamics. With advanced

students he had found it well to begin with general dynamics; for the purpose of illustrating dynamical principles, screw motions, etc., he had found space diagrams of great importance. These models ought to accompany the analysis.

Professor Snow, of the University of Wisconsin, thought that general theory should be combined with experimental practice, and that analysis should go hand in hand with Laboratory work. In no other way can the student understand the simple facts of Physics, and their connection with mathematical relations. He also emphasized the study of simple Harmonic Motion, and the connection of the different branches of Physics by means of this great principle of simple oscillations.

Professor Carhart thought the study of Physics should begin with an elementary but thorough study of simple harmonic motion. He said the special difficulty of the students consists in not seeing the connection of mathematics with physical problems, and it is necessary to make this connection clear.

Professor Crew said he would require in elementary Physics only a knowledge of geometry and trigonometry and simple algebra. He thought the heavy dynamical work for advanced students should be done mainly by the instructor; then the student would gradually gain a mathematical or dynamical mode of thinking.

Professor Loomis, of Northwestern University, said he had been able to treat wave motion without difficult methods or definitions, and that by simple apparatus he had succeeded in measuring the velocity of light, wave lengths of light, etc. He was of the opinion that Physics should begin in the kindergarten, because a child is naturally a close observer; the simple facts would then be clear mathematically.

Professor Hollis, of Harvard University, believed Physics to be a very hard subject, and that it was not so important about the method of teaching. He also expressed doubt as to the utility of the model diagrams to which Professor Macfarlane had referred.

Professor Crew was convinced that such models were very useful, and supported his argument by the authority of Sir William Thomson, who had declared in a lecture at Baltimore that he could not understand the electro-magnetic theory of light, because he was unable to construct a model of it.

Professor Snow, in commenting upon the difference between lecture and laboratory experiments, maintained that lecture work should be qualitative, while the laboratory work should be quantitative. The object of the laboratory is to teach exact measurement.

After some further discussion, there was a call for the views of the chairman, and Head Professor Michel-

son yielded to the solicitation of the audience. He said that in general he agreed with the views of Professor Carhart; but that the different classes of students would require different methods. He had found most graduate students poorly prepared in mathematics, quite a number being weak in ordinary algebra, to say nothing of the more advanced mathematics. Much of the work in Physics required the use of graphical curves, and he thought it important that the student at an early stage of his career should have a course in the graphical representation of curves by means of their equations. He advised also an early course in projective geometry and free hand drawing. It was of the highest importance that the student should have an early course in a workshop, so as to gain skill in mechanical manipulation. In regard to experiments performed by students he said that accurate results were not so much to be desired as thorough mastery of principle.

The following visiting physicists were present:

H. S. Carhart, Ann Arbor, Mich.
 Alonzo Collin, Mt. Vernon, Ia.
 Milton L. Comstock, Galesburg, Ill.
 Henry Crew, Evanston, Ill.
 F. S. Elder, Fairfield, Ia.
 Arthur L. Foley, Bloomington, Ind.
 Karl E. Guthe, Ann Arbor, Mich.
 Ira M. Hollis, Cambridge, Mass.
 Chas. T. Knipp, Bloomington, Ind.
 G. J. Kollen, Holland, Mich.
 Dr. W. Lobach, Berlin.
 Hiram B. Loomis, Evanston, Ill.
 Alexander Macfarlane, Austin, Texas.
 R. H. Millikan, Oberlin, Ohio.
 J. P. Naylor, Greencastle, Ind.
 Martin E. Rice, Lawrence, Kas.
 Geo. H. Rowe, Boulder, Col.
 Daniel W. Shea, Champaign, Ill.
 Benjamin W. Snow, Madison, Wis.
 T. H. Smith, Beloit, Wis.
 A. A. Veblin, Iowa City, Ia.
 F. L. O. Wadsworth, Washington, D. C.
 A. F. Zahm, Notre Dame, Ind.

Measurement by Light Waves.*

BY

HEAD PROFESSOR A. A. MICHELSON.

Every accurate measurement of a physical quantity depends ultimately upon a measurement of length or of angle. Such measurements are ordinarily made by the microscope or by the telescope; the utility of these

* Abstract of a paper read at the Meeting of Physicists, July 3, 1894.

instruments depending upon the properties of the optical media employed in their relation to light waves.

The extreme minuteness of these waves is precisely the property which permits the very high degree of accuracy already attained in such measurements. It would appear, nevertheless, that we have not hitherto utilized all the possible advantages which they present. In fact if the central portions of the lenses or mirrors (and we may add also, of the prisms and gratings) are suppressed then both theory and experiment show that optical instruments, which have been thus transformed into interferential refractometers, present very considerable advantages as instruments of precision.

The interference apparatus which has done considerable service in such problems as the measurement of lengths and angles, the analysis of the constitution of the light of the bright lines in the spectrum, and the determination of wave-lengths in absolute measure, consists essentially of a plane-parallel plate of glass and of two plane mirrors. The light which it is desired to examine falls on the glass plate (whose surface is lightly silvered) at an angle of 45° . The incident pencil is separated into two parts, one reflected and the other transmitted. The first is returned by one of the mirrors and passes through the glass plate; the other is returned by the second mirror, is reflected by the glass plate, and is thence propagated in the same line as the first. A little consideration shows that this arrangement is equivalent to the superposition of two pencils, of which one is reflected by the first mirror and the second by a virtual surface—the *image* of the second mirror in the glass plate. The interference phenomena will be the same as those produced by a layer of air between two plane surfaces.

This instrument possesses the following advantages: It permits the use of an extended source of light; the separation of the two interfering pencils of light to any distance; a practically unlimited difference in path, and a perfectly definite position of the interference bands; finally, it may be added that this apparatus permits an *optical contact* by means of the interference bands in white light, without danger of destroying the adjustment of the surfaces.

On examining several kinds of radiations, apparently simple and homogeneous (by observing the variations in clearness of the circular fringes produced when the two surfaces of the virtual air-plate are rigorously parallel) these were generally found to be highly complex. For instance, the red hydrogen line is double; each element of the yellow sodium line is itself double;

the green thallium line is quadruple; the green mercury line is composed of five or six lines, the principal one of these being itself a double whose components are at a distance apart of only a five hundredth part of that which separates the sodium lines.

It was found, however, that cadmium gives three quite pure radiations: red, green, and blue; and if the vapor of this substance, placed in a vacuum-tube, is illuminated by the electric discharge, the interference fringes may be observed very clearly with a difference of path of ten centimeters.

It is possible, therefore, to employ an intermediate standard, which is made of a piece of bronze carrying two plane surfaces at a distance apart of ten centimeters; this distance is compared, by means of the circular interference bands, with the wave length of each of these three radiations (which process it is important to note furnishes a very valuable check upon the accuracy of the measurements); the intermediate standard is finally compared with the standard meter.

Instead of counting the fringes—to the number of 400,000 or so—in this distance, a series of nine intermediate standards is employed, each of which is twice as long as the preceding one.

The number of fringes in the shortest (about 0.39 mm.) is found by actual count; and the ratio between the lengths of this and the second standard is measured, checking and correcting the measurements by means of the circular interference fringes (which process admits of the same high degree of accuracy with the longest standard as with the first), proceeding in a similar manner with all the standards up to and including the last (ten centimeters), whose length is thus determined in light-waves.

The comparison of this standard with the meter is effected by displacing it ten times through its own length, adjusting at each step the position and the inclination of the surfaces by means of the interference bands in white light, and comparing, at the first step and at the last one, the line traced on a stud carried by the standard, with the two similar traces which define the meter.

Three series of observations were carried out, along the lines here indicated, at the International Bureau of Weights and Measures, giving for the number of waves of red cadmium light in the standard meter, the following results:

Series I.	-	-	-	-	1553162.7
Series II.	-	-	-	-	1553164.3
Series III.	-	-	-	-	1553163.6
Mean	-	-	-	-	1553163.5

The average difference from the Mean is less than six-tenths of a wave, or say between three and four-tenths of a micron.

The length of the three radiations expressed in millionths of a meter are as follows :

Red, - - - - -	μ 0.64384722
Green, - - - - -	0.50858240
Blue, - - - - -	0.47999107

From these results it follows that we have at hand a means of comparing the fundamental standard of

length with a natural unit—the length of a light-wave—with about the same order of accuracy as it is at present possible in the comparison of two meter bars.

This unit depends only on the properties of the vibrating atoms of the radiating substance, and of the luminiferous ether, and is probably one of the least changeable quantities in the material universe.

If, therefore, the meter and all its copies were lost or destroyed, they could be replaced by new ones, which would not differ from the originals more than do these among themselves.

MEETING OF THE SEVERAL SCHOOLS OF THE UNIVERSITY, WITH THEIR ADMINISTRATIVE BOARDS.

CHAPEL OR FACULTY ROOM, COBB LECTURE HALL, WEDNESDAYS, AT 12:30 P. M.

By order of the Council the usual Chapel exercise has been omitted each Wednesday, the several schools meeting on that day of the week with their respective administrative boards. The following meetings have been held from April 4 to June 30, 1894 :

1. GRADUATE SCHOOL OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the Graduate School of Arts and Literature, and of the Ogden (Graduate) School of Science, on the first Wednesday of the month, *viz.* :

April 4. PROFESSOR PAUL SHOREY on the *Character of Graduate Work*.

May 2. HEAD PROFESSOR CHARLES O. WHITMAN on the *Method of Science*.

June 6. HEAD PROFESSOR HARRY PRATT JUDSON on *University Ideals*.

2. DIVINITY SCHOOL STUDENTS met with the members of the Divinity Faculty on the second Wednesday of the month, *viz.* :

April 11. PRESIDENT WILLIAM R. HARPER on the *Theological Attitude of the University*.

May 9. Addresses by PRESIDENT WILLIAM R. HARPER, HEAD PROFESSORS G. W. NORTHRUP and GALUSHA ANDERSON.

3. UNIVERSITY COLLEGES OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the University Colleges on the third Wednesday, *viz.* : April 18. Address by PRESIDENT WILLIAM R. HARPER. Meeting devoted to opening a discussion on *How to Foster University Spirit*.

May 16. Address by HEAD PROFESSOR HARRY PRATT JUDSON on the same subject. Report by a Students' Committee, S. D. BARNES, Chairman.

June 13. ASSOCIATE PROFESSOR CARL D. BUCK on *Comparative Philology*.

4. ACADEMIC COLLEGES OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the Academic Colleges on the fourth Wednesday, *viz.* :

April 25. ASSISTANT PROFESSOR ALBERT H. TOLMAN on the *Study of Literature*.

June 30. ASSOCIATE PROFESSOR A. A. STAGG on *University Loyalty*.

INDEPENDENCE DAY.

JULY 4, 1894.

General Meeting of all the Divisions of the University in *Theatre, Kent Chemical Laboratory*, at 10:30 A.M., to commemorate the day. PRESIDENT WILLIAM R. HARPER presided. A solo was sung by MISS MARIE VON HOLST, after which HEAD PROFESSOR HERMANN EDUARD VON HOLST delivered a discourse on the subject: *Should the United States Senate be Abolished?*

(The paper will be printed in full in the next number of the *Monist*.)

CONFERENCE OF TEACHERS OF ENGLISH.

In pursuance of an invitation issued by the English Faculties of the Universities of Michigan, Wisconsin, and Chicago, a conference of the teachers of English in the North Central States was held at the University of Chicago on the 5th, 6th, and 7th of July, 1894. The invitation was sent to the largest and most important colleges and universities of the section named, and representatives were present from nearly all of them. Several teachers of English in leading High Schools and Academies were present also and took part in the discussions.

The purpose of the conference was to consider the curriculum of study of English in the secondary schools and the requirements for admission to college. As a basis of discussion the report of a similar conference of teachers of English in the Eastern and Middle States and the report of the Vassar Conference of 1892 were taken. Five sessions of two or three hours each were held and a series of recommendations were adopted, which represent in each case the unanimous or nearly unanimous opinion of the teachers present. These recommendations are made with the hope of aiding in the organization of a systematic curriculum of study in English for secondary schools, in the adoption of approximate or entire uniformity of requirement in English for entrance to college, and, in consequence, in the promotion of thoroughness and efficiency in the teaching of English.

The recommendations adopted by the Conference are as follows:

I. General Recommendations.

The Conference recommends

1. That the time allowed for the English examination for entrance to college be at least two hours.
2. That the books used for English work in the secondary schools be divided into two groups; one for reading, the other for more careful study.
3. That in connection with the reading and study of the required books parallel or subsidiary reading be encouraged.
4. That a considerable amount of prose and poetry be committed to memory in preparatory study.
5. That in the teaching of composition and rhetoric, the chief emphasis be thrown upon practice in writing, and that the rhetoric be of an elementary character and contributory to the composition. If formal rhetoric is taught as a separate discipline, the Conference is of opinion that it should not be pursued at the expense of practice in writing.
6. That the correction of specimens of bad English should not form any considerable part of the entrance examination. The Conference is of the opinion that in the hands of any but a highly intelligent teacher such exercises may do more harm than good, though it is not prepared to recommend their entire exclusion from preparatory study or from entrance examinations.
7. That the secondary schools should seek to develop in their pupils the power of extempore speaking; that this should be done by the manner of conducting recitations, by the use of appropriate general exercises, and in all other practicable ways.

II. Entrance Requirements.

The Conference recommends the following scheme of requirements for entrance to college:

- A. *In General.* No pupil will be accepted in English whose written work is notably deficient in point of *spelling, punctuation, idiom, or division into paragraphs.*
- B. *English Composition.* (1) The candidate will be required to write two essays of not less than two hundred words each, on subjects chosen by himself from a considerable number—perhaps ten or fifteen—set before him in the examination paper, and one of the topics chosen must be taken from the books assigned for general reading under English Literature. (2) In place of the essay on the topic drawn from the books set for general reading, the candidate will be allowed to offer an exercise book containing the first draft of essays written during his preparatory course, on topics taken from the works prescribed for general reading. These essays must be written under the eye of the teacher without consulting the books from which the subjects are taken and without other assistance, must be kept in the care of the teacher, and sent by him to the examiner at least one week before the date of the entrance examination, with his certificate that they have been written in accordance with these requirements.
- C. *English Literature.* Two lists of works will be published, as suggested in the second general recommendation above. These lists include (a) a series of books for general reading, which may also be used as a basis for work in English Composition; (b) a limited number of masterpieces for thorough and critical study. In

addition to the essays called for under the head of *English Composition*, there will be required such further tests as seem suited to secure a careful reading of all the books prescribed in series (a). It is suggested that the written statement of the teacher would be sufficient, in general, for this purpose.

In the case of the books set for critical study, the candidate will be examined on subject-matter, form, and substance, and the examination will be of such a character as to require a minute and thorough study of each of the works named, in order to pass it successfully. In addition to the above, the candidate will be required to offer a brief outline of the history of Modern English Literature.

NOTE TO B AND C.—The choice of books both for reading and composition work and for minute and critical study was left to the Council, with instructions to make this list conform as closely as practicable to that of the Conference of the Eastern and Middle States. It has been decided accordingly to adopt for the present the lists of the Eastern Conference without change. These lists are as follows:

1. *For General Reading and Composition Work.*

1896: Shakspeare's *Twelfth Night*; *The Sir Roger de Coverley Papers* in *The Spectator*; Irving's *Sketch Book*; Scott's *Abbot*; Webster's *First Bunker Hill Oration*; Macaulay's *Essay on Milton*; Longfellow's *Evangeline*.

1896: Shakspeare's *A Midsummer Night's Dream*; Defoe's *History of the Plague in London*; Irving's *Tales of a Traveller*; Scott's *Woodstock*; Macaulay's *Essay on Milton*; Longfellow's *Evangeline*; George Eliot's *Silas Marner*.

1897: Shakspeare's *As You Like It*; Defoe's *History of the Plague in London*; Irving's *Tales of a Traveller*; Hawthorne's *Twice Told Tales*; Longfellow's *Evangeline*; George Eliot's *Silas Marner*.

1896: Milton's *Paradise Lost*, Books I and II; Pope's *Iliad*, Books I and XXII.; *The Sir Roger de Coverley Papers* in *The Spectator*; Goldsmith's *The Vicar of Wakefield*; Coleridge's *Ancient Mariner*; Southey's *Life of Nelson*; Carlyle's *Essay on Burns*; Lowell's *Vision of Sir Launfal*; Hawthorne's *The House of the Seven Gables*.

2. *For Minute and Critical Study.*

1896: Shakspeare's *The Merchant of Venice*; Milton's *L'Allegro, Il Penseroso, Comus* and *Lycidas*; Macaulay's *Essay on Addison*.

1896: Shakspeare's *The Merchant of Venice*; Milton's *L'Allegro, Il Penseroso, Comus* and *Lycidas*; Webster's *First Bunker Hill Oration*.

1897: Shakspeare's *The Merchant of Venice*; Burke's *Speech on Conciliation with America*; Scott's *Marmion*; Macaulay's *Life of Samuel Johnson*.

1898: Shakspeare's *Macbeth*; Burke's *Speech on Conciliation with America*; De Quincey's *The Flight of a Tartar Tribe*; Tennyson's *The Princess*.

D. *English Grammar*. There will be included in the requirement for entrance to College a knowledge of the leading facts of English Grammar, and proper tests of such knowledge will be made a part of the examination.

It was also decided to form a permanent organization to secure more fully the objects of the conference. To this end the following articles of association were adopted:

1. *Name*. "The Association of Teachers of English of the North Central States."
2. *Purposes*. (1) To consider the requirements in English for entrance to college; (2) To discuss the curriculum and the methods of teaching English in the secondary schools.
3. *Membership*. The membership shall consist of (a) One or more representatives from the institutions constituting the present conference, viz: The State Universities of Michigan, Ohio, Indiana, Illinois, Wisconsin, Iowa, and Nebraska; The University of Chicago, The Northwestern University, The Western Reserve University, Oberlin College. (b) Other Colleges and Universities may be admitted to membership by a majority vote of the association. (c) The Association of Teachers, that is especially concerned with secondary instruction in each state, is asked to send to each conference from one to three delegates, as it shall choose; and each institution that is a member of the Association shall be entitled to invite to any conference as delegates persons who are especially interested in the teaching of English in secondary schools.
4. *Officers*. The Officers of the Association shall be a President, a Secretary and Treasurer, and a Council of five members, one of whom shall retire each year. The Council shall act as an executive committee for the Association.
5. *Meetings*. The meetings shall be held once a year; the time and place shall be fixed by the Council.

THE QUARTERLY CALENDAR.

The officers elected for the coming year are :

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A, B, C, D, in parentheses, refer to the floors of Cobb Lecture Hall.

Numerals indicate the numbers of rooms.

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Drexel Boulevard.
- SAHLSTRÖM LARS A., *Fel.*
- SALISBURY, ROLLIN D., *Prof. and Dean.*
(W.) 5540 Monroe av.
- SANDELL, ERIC, *Assist. Prof.*
Morgan Park.
- SCHNEIDER, EDUARD ADOLPH, *Assist. Prof.*
(K.) 5026 Lake av.
- SCHOBINGER, JOHN J., *Dean, The Harvard School.*
Morgan Park.
- SCHWILL, FERDINAND, *Tutor.**
(C. 5-8) 28 G.
- SCOFFIELD, CORA L., *Fel.*
35 B.
- SCRIBNER, S. A., *Trustee.*
Room 303, 169 Jackson; 226 Ashland Boulevard.
- SCROGIN, L. P., *Trustee.*
Lexington.
- SEE, T. J. J., *Assist.*
(R.) 5630 Ingleside av.
- SHEPARDSON, FRANCIS WAYLAND, *Assist.*
(A. 5) 5475 Kimbark av.
- SHERMAN, L. A., *Prof.*
(D. 8-10) 5659 Washington av.
- SHIPLEY, FREDERICK W., *Fel.*
- SHOREY, DANIEL L., *Trustee.*
5520 Woodlawn av.
- SHOREY, PAUL, *Prof.*
(B. 2-8) 5516 Woodlawn av.
- SIEBENTHAL, CLAUDE E., *Fel.*

* In Europe, on leave of absence.

SISSON, E. O., <i>Instructor</i> .		TUNNICLIFF, HELEN H., <i>Hon. Fel.</i>	
SLAUGHT, HERBERT E., <i>Reader</i> .	5442 Drexel av.	VAN HISE, C. R., <i>Prof.</i>	4 F.
(R.)		(W.)	
SMALL, ALBION W., <i>Head Prof.</i>	440, 64th st., Englewood.	VEBLEN, THORSTEIN B., <i>Tutor</i> .	Madison, Wis.
(C. 2, 10-12)		(C. 2-8)	
SMALL, CHARLES PORTER, <i>Exam. Physician</i> .	5731 Washington av.	VINCENT, GEORGE E., <i>Assist.</i>	573, 61st st
(Waite Block), 53d st. and Lake av.		(C. 2, 10-12)	
SMITH, ALEXANDER, <i>Assist. Prof.</i>		VOTAW, CLYDE WEBER, <i>Tutor</i> .	5338 Washington av.
(K.)		(D. 11-12)	
SMITH, FREDERICK A., <i>Trustee</i> .		WAIT, W. W., <i>Trustee</i> .	437, 61st st.
25, 132 LaSalle; Hotel Metropole.			
SMITH, J. A., <i>Trustee</i> .		WALCOTT, CHARLES DOOLITTLE, <i>Prof.</i>	124 Washington Boulevard.
		(W.)	
SMITH, JAMES ARCHY, <i>Fel.</i>	69 Dearborn st.	WALKER, ARTHUR TAPPAN, <i>Assist.</i>	Washington, D. C.
		(B. 2-8)	
	5620 Ellis av.	WALKER, DEAN AUGUSTUS, <i>Fel.</i>	5810 Drexel av.
SMITH, WILLARD A., <i>Trustee</i> .			
818 The Rookery; 3256 Rhodes av.		WALKER, GEORGE C., <i>Trustee</i> .	18 G.
SQUIRES, VERNON PURINTON, <i>Fel.</i>		567 The Rookery; 228 Michigan av.	
	14 G.	WALLACE, ELIZABETH, <i>Reader</i> .	
STAGG, A. ALONZO, <i>Assoc. Prof.</i>		(B. 12-16)	
(Gymnasium)	17 and 18 Sn.	WARTENBERG, H. SCHMIDT-, <i>Assist. Prof.</i>	7 and 8 B.
STARR, FREDERICK, <i>Assist. Prof.</i>		(B. 9-11)	
(W. and C. 2, 10-12)	5800 Jackson av.	WATASE, S., <i>Instr.</i>	5700 Kimbark av.
STETSON, HERBERT LEE, <i>Dean, Des Moines College</i> .		(K.)	
Des Moines, Iowa.		WEATHERLOW, JANE K., <i>Fel.</i>	5481 Kimbark av.
STIEGLITZ, JULIUS, <i>Instr.</i>			
(K.)	5479 Lexington av.	WELCH, JEANETTE C., <i>Fel.</i>	
STRATTON, SAMUEL W., <i>Assoc. Prof.</i>			48 F.
(R.)	5625 Monroe av.	WEST, GERALD M., <i>Docent</i> .	
STRONG, CHARLES A., <i>Assoc. Prof.</i>		(C. 2, 10-12)	
(R. and C. 13-17)	5516 Woodlawn av.	WHEELER, WILLIAM MORTON, <i>Instr.</i>	623, 55th st.
STUART, HENRY W., <i>Fel.</i>		(K.)	
		WHITEHEAD, LOUIS G., <i>Fel.</i>	
SWARTZ, SAMUEL ELLIS, <i>Fel.</i>		WHITMAN, CHARLES O., <i>Head Prof.</i>	
	5622 Ellis av.	(K.)	223, 54th st.
TALBOT, MARION, <i>Assist. Prof. and Dean</i> .		WHITNEY, ALBERT WURTS, <i>Fel.</i>	
(C. 2, 10-12)	7 Kl.		5827 Kimbark av.
TANNER, AMY, <i>Grad. Scholar</i> .		WILCOX, WILLIAM CRAIG, <i>Fel.</i>	
	6038 Oglesby av.		12 G.
TARBELL, FRANK BIGELOW, <i>Prof.</i>		WILKINSON, WILLIAM CLEAVER, <i>Prof.</i>	
(B. 2-8)	Hotel Barry.	(D. 8-10)	361 E. 58th st.
TERRY, BENJAMIN S., <i>Prof.</i>		WILLIAMS, LEIGHTON, <i>Trustee</i> .	
(C. 5-8)	5835 Madison av.	WILLIAMS, WARDNER, <i>Assistant</i> .	New York, N. Y.
THATCHER, OLIVER JOSEPH, <i>Assoc. Prof.</i>			5812 Drexel av.
(A. 5)	28 G.	WILLIS, HENRY P., <i>Grad. Scholar</i> .	
THOMAS, WILLIAM ISAAC, <i>Fel.</i>		WITKOWSKY, ESTHER, <i>Fel.</i>	
	6420 Lexington av.		2808 Prairie av.
THOMPSON, JAMES WESTFALL, <i>Fel.</i>		WIRTH, ALBRECHT H., <i>Docent</i> .	
	5620 Ellis av.	(C. 3-8)	
TOLMAN, ALBERT H., <i>Assist. Prof. and Assist. Exam.</i>		WISHART, A. W., <i>Fel.</i>	
(A. 8 and D. 8-10)	5468 Monroe av.		5825 Kimbark av.
TORRANCE, S. A., <i>Grad. Scholar</i> .		WOLD, THORE OLSEN, <i>Instr.</i>	
			Morgan Park.
TREADWELL, A. L., <i>Fel.</i>		WOOD, F. A., <i>Fel.</i>	
	Oxford, O.		623, 55th st.
TRIGGS, OSCAR L., <i>Docent</i> .		WOODRUFF, CHARLES E., <i>Fel.</i>	
(D. 8-10)	21 G.		146 D.
TUFTS, JAMES H., <i>Assoc. Prof.</i>		YOUNG, J. W. A., <i>Instr.</i>	
(R., and C. 13-17)	7154 Euclid av.	(R.)	5758 Washington av.
TUNELL, GEORGE, <i>Fel.</i>		ZEUBLIN, CHARLES, <i>Instr.</i>	
	24 G.	(A. 5).	6052 Sheridan av.

CLASSIFICATION AND DIRECTORY OF STUDENTS IN ATTENDANCE, SUMMER QUARTER, 1894.

ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Halls.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Alden, George Henry,	S.B. (<i>Carleton College</i>) '91; A.B. (<i>Harvard College</i>). History. 3.	Waseca, Minn.	5800 Jackson av.
Allison, Samuel Buel,	Ph.B. (<i>Yls. Wesleyan University</i>) '94. Philosophy, German.	Elmwood.	578 E. 60th st.
Atwater, May Marks, Mrs.	A. B. (<i>Oberlin College</i>) '90. Greek.	Chicago.	6016 Sheridan av.
Aven, Algernon Jasper,	A.B. (<i>University of Mississippi</i>) '84; A.M. (<i>Ibid.</i>) '89. Latin, Greek.	Clinton, Miss.	5700 Kimbark av.
Barrett, Anne Louise,	S.B. (<i>Wellesley College</i>). German.	Rochester, N. Y.	5729 Kimbark av.
Benedict, Ernest Milnor,	A.B. (<i>Kenyon College</i>) '88; D.B. (<i>Episcopal Theolog. School, Cambridge, Mass.</i>) '91. Political Economy, Political Science, History.	Cincinnati O.	5802 Jackson av.
Bennett, John Ira, Jr.,	A.B. (<i>Union College</i>) '90. Latin.	Chicago.	6055 Edgerton av.
Boggs, Amy,	Ph.B. (<i>Cornell College</i>). English.	Manchester, Ia.	392, 57th st.
Bowen, Anna Maude,	Ph.B. (<i>Northwestern University</i>) '94. Sanskrit, German.	Chicago.	306 Oakwood Blvd.
Bray, Jeremiah Wesley,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 3.	Chicago.	5800 Jackson av.
Brewster, Henry Webb,	A.B. (<i>University of Minnesota</i>) '87; Ph.D. (<i>Ibid.</i>) '92. Philosophy.	St. Anthony Park, Minn.	408, 57th st.
Bridges, Flora,	A.B. (<i>Oberlin College</i>) '87; A.M. (<i>Ibid.</i>) '88. English.	Mattoon.	5714 Kimbark av.
Burnet, Percy Bentley,	L.B. (<i>University of Indiana</i>) '84; A.M. (<i>Ibid.</i>) '87. Sanskrit, German.	Lincoln, Neb.	5620 Ellis av.
Callahan, James Morton,	A.B. (<i>University of Indiana</i>) '94. History, Political Science.	Mitchell, Ind.	5622 Ellis av.
Campbell, Calvin Victor,	A.B. (<i>Victoria University</i>) '90. Philosophy, Neurology. 1.	Ottawa, Ont.	5494 Ellis av.
Campbell, Peter Sinclair,	A.B. (<i>Toronto University</i>) '77. Greek.	Toronto, Ont.	578, 60th st.
Catterall, Ralph C. H.,	A.B. (<i>Bucknell University</i>) '91; <i>Harvard University</i> '92. History, Political Economy. 4.	Watsonstown, Pa.	438, 57th st.
Chaney, Novetus Holland,	A.B. (<i>Wilmington College</i>) '80; A.M. (<i>Ibid.</i>) '84; Ph.D. (<i>Ohio Wesleyan Univ.</i>) '93. Philosophy, Ethics.	Washington C.H., O.	5556 Drexel av.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Greek. 3.	Nashville, Tenn.	5614 Drexel av.
Child, Susan Wade,	A.B. (<i>Wellesley College</i>) '90. Greek, Latin, English.	New Hampton, N. H.	32 K.
Clark, Thomas Arkle,	L.B. (<i>University of Illinois</i>) '90. English.	Urbana.	5622 Ellis av.
Clarke, Rachael Chadsey,	A.B. (<i>Smith College</i>) '81; A.M. (<i>Ibid.</i>) '83. English, French.	Des Moines Ia.	22 Kl.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Compher, Wilber G.,	A.B. (<i>Scio College</i>) '84; A.M. (<i>Ibid.</i>) Greek, English.	Scio, Ohio.	455, 55th st.
Conklin, Clara,	A.B. (<i>DePauw University</i>) '86; A.M. (<i>Ibid.</i>) '89. Romance Languages.	Lincoln, Neb.	5728 Madison av.
Cooley, Elizabeth Cutting,	A.B. (<i>Old University of Chicago</i>) '83. German.	Morgan Park.	Morgan Park.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. 3.	Glen Ridge, N. J.	21 B.
Danforth, Lucia Elizabeth,	L.B. (<i>Carleton College</i>) '88. Latin.	Red Wing, Minn.	5800 Jackson av.
Daniels, Mary Lucretia,	A.B. (<i>University of Chicago</i>) '94. Greek.	New Haven, Conn.	F.
Davidson, Hannah Amelia, Mrs.	A.B. (<i>Iowa College</i>) '78; A.M. (<i>Ibid.</i>) '82. History, Political Economy, Political Science.	Cleveland, Ohio.	6023 Ellis av.
Davis, Walter Scott,	A.B. (<i>DePauw University</i>) '89; A.M. (<i>Cornell University</i>) '92. History, Political Science. 3.	North Salem, Ind.	5722 Kimbark av.
Dimmitt, Lillie English,	A.B. (<i>Illinois Wesleyan University</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek.	Iowa Park, Texas.	5646 Monroe av.
Dodge, Le Vant,	A.B. (<i>Hilldale College</i>) '72; A.M. (<i>Ibid.</i>) '75. Political Science, Social Science, Political Economy.	Berea, Ky.	5739 Kimbark av.
Dodge, Ernest Green,	A.B. (<i>Berea College</i>) '93. Greek, English. 3.	Berea, Ky.	5737 Kimbark av.
Durbin, Eva Comstock,	S.B. (<i>Hilldale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History. 3.	Chicago.	3510 Prairie av.
Ely, Elizabeth Antoinette,	A.B. (<i>University of Cincinnati</i>) '87; A.M. (<i>Ibid.</i>) '92. Latin, Greek. 5½.	Cincinnati, Ohio.	9 Kl.
Farrar, Preston Cooke,	A.B. (<i>Washington and Jefferson College</i>) '91; A.M. (<i>Ibid.</i>) '94. English, Latin, Philosophy.	Allegheny, Pa.	5420 Madison av.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Latin. 2.	Chicago.	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '91. History, Political Science. 3.	Nashville, Tenn.	6226 Woodlawn av.
Fulcomer, Daniel,	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science. 3.	Grand Rapids, Mich.	6369 Lexington av.
Gallup, Frank Amner,	A.B. (<i>Colgate University</i>) '90; A.M. (<i>Ibid.</i>) '93. Sanskrit, Latin.	Hamilton, N. Y.	5726 Monroe av.
Garrigues, Ellen Elizabeth,	A.B. (<i>University of Michigan</i>) '89; A.M. (<i>Ibid.</i>) '93. English, History.	Akron, Ohio.	5825 Kimbark av.
Gatch, Thomas Milton,	A.B. (<i>Ohio Wesleyan University</i>) '85; Ph.D. (<i>DePauw University</i>). Philosophy.	Seattle, Wash.	2 G.
Gay, Lucy Maria,	L.B. (<i>University of Wisconsin</i>) '82. French.	Madison, Wis.	Stud'ts' Hall, Normal.
Gerwig, George William,	A.B. (<i>University of Nebraska</i>) '89; A.M. (<i>Ibid.</i>) '92. English.	Alleghany, Pa.	5420 Madison av.
Giese, William Frederic,	A.B. (<i>Harvard University</i>) '89; A.M. (<i>Ibid.</i>) '90. Romance Languages.	Madison, Wis.	5724 Drexel av.
Glover, Ethel Adelia,	A.B. (<i>Wellesley College</i>) '90. Social Science, History, Political Economy.	Washington, D. C.	5825 Kimbark av.
Glaes, Thomas Beveridge,	A.B. (<i>Monmouth College</i>) '92. Latin, Greek.	Monmouth.	623, 55th st.
Gordis, Warren Stone,	A.B. (<i>University of Rochester</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek.	Deland, Fla.	5620 Ellis av.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. Semitic. 6.	Chicago.	5630 Kimbark av.
Gould, Lucius,	A.B. (<i>Albion College</i>). Philosophy, German, English.	Oak Park.	Oak Park.
Hall, Edwin Lester,	A.B. (<i>Hiram College</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin.	Hiram, Ohio.	19 Sn.
Hall, Lyman Bronson,	A.B. (<i>Oberlin College</i>) '72; D.B. (<i>Harvard University</i>) '77. History.	Oberlin, Ohio.	6428 Lexington av.
Hamilton, Adelbert,	A.B. (<i>University of Rochester</i>) '92. Greek, Latin, Philology.	Rochester, N. Y.	438, 57th st.
Hargrove, Henry Lee,	A.B. (<i>University of Nashville</i>) '91; A.M. (<i>Ibid.</i>) '92. English, History.	Waco, Tex.	5722 Kimbark av.
Hatfield, Henry Rand,	A.B. (<i>Northwestern University</i>) '92. Political Economy, Political Science.	Evanston.	13 G.
Heidel, William Arthur,	A.B. (<i>Central Wesleyan College</i>) '88. Political Economy, Greek.	Warrenton, Mo.	5488 Ellis av.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Hieronymus, Robert Enoch,	A.B. (<i>Eureka College</i>). English.	<i>Eureka.</i>	5741 Madison av.
Holmes, David Eugene,	A.B. (<i>Illinois College</i>) '83; A.M. (<i>Ibid.</i>) '86. English, German.	<i>Winona, Minn.</i>	21 G.
Hooper, William Davis,	A.B. (<i>Hampden Sidney College</i>) '89. Latin, Greek.	<i>Athens, Ga.</i>	15 G.
Hosford, Frances Juliette,	A.B. (<i>Oberlin College</i>) '91. Latin.	<i>Oberlin, Ohio.</i>	3 F.
Houston, Alice Murray,	L.B. (<i>Ohio Wesleyan University</i>) '85. English, History.	<i>Evanston.</i>	28 B.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '93. Social Science. 3.	<i>Columbus, Ind.</i>	5709 Drexel av.
Hoxie, Robert Franklin,	Ph.B. (<i>University of Chicago</i>) '93. Political Economy, Political Science, History. 2.	<i>Yorkville, N. Y.</i>	438, 57th st.
Huntington, Ellery Channing,	A.B. (<i>Amherst College</i>) '88. Greek, German, Political Economy.	<i>Nashville, Tenn.</i>	2722 Kimbark av.
Hussey, George Benjamin,	A.B. (<i>Columbia College</i>) '84; Ph.D. (<i>Johns Hopkins University</i>) '87. Latin, Greek, Italian.	<i>East Orange, N. J.</i>	24 G.
Jude, George Washington,	A.B. (<i>Otterbein University</i>) '91. History, Political Economy.	<i>Sugar Grove, Pa.</i>	Chautauqua, N. Y.
Kerlin, Robert Thomas,	A.B. (<i>Central College</i>) '90. English, German, French.	<i>Albany, Mo.</i>	Beechwood, 57th st.
Knox, Frances Ada,	A.B. (<i>University of Michigan</i>) '82. History, Political Science. 3.	<i>Salem, Ore.</i>	5755 Rosalie Ct.
Leech, Lillian Jane,	S.B. (<i>Parsons College</i>). English, German. 1.	<i>Des Moines, Ia.</i>	31 Kl.
Lewis, Edwin Herbert,	A.B. (<i>Alfred University</i>) '87; Ph.D. (<i>Syracuse University</i>) '92. English, Greek. 5½.	<i>Chicago.</i>	6032 Ellis av.
Linfield, Frances Eliz. Ross,	A.B. (<i>Elmira College</i>) '73; A.M. (<i>Ibid.</i>) '78. German, English.	<i>Chicago.</i>	39 University Place.
MacLean, Annie Marion,	A.B. (<i>Acadia College</i>) '93; A.M. (<i>Ibid.</i>) '94. Social Science.	<i>Wolfville, N. S.</i>	539, 55th st.
MacLean, Jessie Mildred,	A.B. (<i>Acadia College</i>) '93; A.M. (<i>Ibid.</i>) '94. English.	<i>Wolfville, N. S.</i>	539, 55th st.
MacLean, Murdoch Haddon,	A.B. (<i>Acadia College</i>) '92. History. 3.	<i>Wolfville, N. S.</i>	539, 55th st.
Mallory, Hervey Foster,	A.B. (<i>Colgate University</i>) '90. Semitic. 6.	<i>Aberdeen, S. Dak.</i>	Keene Hotel.
Marsh, Kate May,	A.B. (<i>Albion College</i>) '93. Latin, Greek.	<i>Albion, Mich.</i>	5800 Jackson av.
Martin, George William,	A.B. (<i>Iowa Wesleyan University</i>) '81; A.M. (<i>Ibid.</i>) '88. Greek, Philology.	<i>Baldwin, Kan.</i>	541, 55th st.
McDonald, Cora Martin,	A.M. (<i>University of Wooster</i>). English History.	<i>Laramie, Wyo.</i>	7 F.
McGinnis, Albert,	A.B. (<i>Waynesburg College</i>) '78. Latin, Greek, German.	<i>Marshall, Mo.</i>	5556 Drexel av.
McMillan, John Henry,	A.B. (<i>University of Indiana</i>) '74; A.M. (<i>Ibid.</i>) '77. Latin, English.	<i>Monmouth.</i>	5205 Jefferson av.
McPheeters, Wm. Marcellus.	A.B. (<i>Washington and Lee University</i>) '74. Semitic.	<i>Columbia, S. C.</i>	69 D.
Mesloh, Charles Walter,	A.B. (<i>Ohio State University</i>) '89. Sanskrit and Comparative Philology, German.	<i>Columbus, Ohio.</i>	6147 Woodlawn av.
Meyers, William John,	S.B. (<i>Michigan State Agricultural College</i>) '90. Social Science.	<i>Fort Collins, Colo.</i>	6126 Wharton av.
Miller, Christian A.,	A.B. (<i>Allegheny College</i>) '78. Political Economy, History.	<i>Sioux City, Iowa.</i>	6023 Ellis av.
Miller, Laura Louise,	L.B. (<i>University of Wisconsin</i>) '91. English.	<i>Sparta, Wis.</i>	6028 Wharton av.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology. 6.	<i>Lowell, Mass.</i>	5800 Jackson av.
Miller, Roy Newman,	Ph.B. (<i>Albion College</i>) '93. Political Science, History, Political Economy. 2.	<i>Mason, Mich.</i>	25 Sn.
Milligan, Henry Forsythe,	A.B. (<i>University of Chicago</i>) '93. Philosophy, Biblical Greek, Ethics.	<i>Chicago.</i>	195, 37th st.
Milliman, Loren D.,	A.B. (<i>University of Michigan</i>) '90. English, Philosophy. 6.	<i>Lakeville, N. Y.</i>	539, 55th st.
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '93. Political Science, History. 3.	<i>Elkin, N. C.</i>	6226 Woodlawn av.
Mulfinger, George A.,	A.B. (<i>Northwestern University</i>) '85. German, English. 3.	<i>Chicago.</i>	6046 Oglesby av.

NAME.	DÉGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Neff, Theodore Lee,	Ph.B. (<i>De Pauw University</i>) '88; A.M. (<i>Ibid.</i>) '86. Romance Languages. 3.	Iowa City, Iowa.	541, 55th st.
Paden, Thomas Hosack,	A.B. (<i>Muskingum College</i>) '73; A.M. (<i>Ibid.</i>) '76. Political Economy, Sociology. 1.	New Concord, Ohio.	5722 Madison av.
Page, Mary Blanche,	L.B. (<i>Olivet College</i>). History.	Kewanee.	9 Kl.
Parsons, Eugene,	A.B. (<i>Old University of Chicago</i>) English.	Chicago.	237, 37th st.
Peirce, Eugene Colfax,	A.B. (<i>Albion College</i>) '90. Latin, Greek.	Saginaw, E.S., Mich.	26 Sn.
Pierson, Arthur Chester,	Ph.B. (<i>Hiram College</i>) '82; Ph.M. (<i>Ibid.</i>) '85. Philosophy, English.	Hiram, Ohio.	19 Sn.
Pomerene, Jennie,	A.B. (<i>Vassar College</i>) '86. English. 2.	Poughkeepsie, N. Y.	Hyde Park Hotel.
Porter, Elizabeth,	A.B. (<i>University of Chicago</i>) '94. Social Science.	Cleveland, Ohio.	The Colonies, 56th st
Potter, Erastus Francis,	A.B. (<i>University of Michigan</i>). Latin, Greek. 2½.	Tecumseh, Mich.	326, 57th st.
Potter, Franklin Hazen,	A.B. (<i>Colgate University</i>) '92. Indo-European Philology, Latin.	Ottawa, Kan.	6045 Oglesby av.
Pratt, Alice Edwards,	Ph.B. (<i>University of California</i>) '92; Ph.M. (<i>University of Chicago</i>) '93. English. 4.	St. Helena, Cal.	F.
Price, Alfred Bennett,	A.B. (<i>Old University of Chicago</i>) '72; A.M. (<i>Ibid.</i>) '75. Latin.	Des Moines, Iowa.	5622 Ellis av.
Putnam, Edward Kirby,	A.B. (<i>Illinois College</i>) '91. English, Social Science. 2.	Chicago.	Hotel Barry.
Reasoner, Florence,	A.B. (<i>University of Kansas</i>) '90. Latin, Political Economy, Political Science.	Leavenworth, Kas.	5490 Lexington av.
Rickert, Martha Edith,	A.B. (<i>Vassar College</i>) '91. English.	Chicago.	520, 57th st.
Robertson, James Rood,	A.B. (<i>Beloit College</i>); A.M. (<i>University of Michigan</i>). History, Political Economy.	Forest Grove, Ore.	23 Sn.
Robinson, Henry Douglass,	A.B. (<i>Racine College</i>) '84. Social Science, Comparative Religion, French.	Racine, Wis.	23 Sn.
Rosseter, Edward Clark,	A.B. (<i>Marietta College</i>) '70; A.M. (<i>Ibid.</i>) '73. Political Economy, Social Science.	Kewanee.	5 Sn.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. 3.	Hastings, Neb.	38 Sn.
Rygh, George Taylor,	A.B. (<i>Luther College</i>) '81; D.B. (<i>Theological Seminary, Columbus, Ohio</i>) '84. History, Political Science, Political Economy.	Fargo, N. Dak.	5622 Ellis av.
Sanders, Frederic William,	A.B. (<i>College of the City of New York</i>) '83. A.M. (<i>Harvard University</i>) '92. Social Science, Philosophy. 3.	Chicago.	4 G.
Schoolcraft, Henry Lawrence,	A.B. (<i>Marietta College</i>). Philosophy.	North Adams, Mich.	5700 Kimbark av.
Sembower, Charles J.,	A.B. (<i>University of Indiana</i>) '92. English.	Bloomington, Ind.	5515 Woodlawn av.
Smith, Elmer William,	A.B. (<i>Colgate University</i>) '91; A.M. (<i>Ibid.</i>) '94. English.	Hamilton, N. Y.	5726 Monroe av.
Smith, John M. P.,	A.B. (<i>Des Moines College</i>) '93. Semitic.	Osage, Ia.	543, 55th st.
Smith, Martha Constance,	Ph.B. (<i>Northwestern University</i>) '92. English, Philosophy. 2.	Evanston.	22 B.
Spencer, Charles Worthen,	A.B. (<i>Colby University</i>) '90. Social Science, History. 6.	Waterville, Me.	5620 Ellis av.
Squire, Carrie M. Ranson, Mrs.	A.B. (<i>Hamline University</i>) '89. History, Political Science.	St. Paul, Minn.	8 F.
Stafford, John,	A.B. (<i>University of Toronto</i>) '87; D.B. (<i>Morgan Park Theological Seminary</i>) '89. Psychology, Neurology. 3.	Flesherton, Ont.	5558 Drexel av.
Statt, Grace Adele,	Ph.B. (<i>University of Michigan</i>). English.	Princeton.	326, 51st st.
Stephenson, Florence T., Mrs.	A.B. (<i>Oberlin College</i>) '82. English.	Des Moines, Ia.	5620 Ellis av.
Stevenson, James Henry,	A.B. (<i>McGill University</i>) '89; D.B. (<i>Wesleyan Theological College</i>) '90. Semitic.	Nashville, Tenn.	70 D.
Swearingen, George Crawford,	A.B. (<i>Emory College</i>) '88; A.M. (<i>Vanderbilt University</i>) '92. Latin, Greek, Comparative Philology.	Jackson, Miss.	5622 Ellis av.
Tanner, Amy Eliza,	A.B. (<i>University of Michigan</i>) '93. Philosophy, Social Science.	Fairbault, Minn.	6038 Oglesby av.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE,	HOME ADDRESS.	PRESENT ADDRESS.
Tear, John Henry,	Ph.B. (<i>Illinois Wesleyan University</i>) '92. Philosophy, Sociology.	Chicago.	846 Walnut st.
Thompson, James Westfall,	A.B. (<i>Rutgers College</i>) '92. History, Political Science. 6.	New Brunswick, N.J.	5620 Ellis av.
Thurston, Henry Winfred,	A.B. (<i>Dartmouth College</i>) '88. History, Political Economy. 2.	Chicago.	5317 Madison av.
Turner, James Ulysses,	A.B. (<i>DePauw University</i>) '93. German, French.	Van Buren, Ark.	3 Sn.
Votaw, Albert Hiatt,	A.B. (<i>Earlham College</i>) '74. Latin.	Westtown, Pa.	5556 Drexel av.
Walker, Arthur Tappan,	A.B. (<i>University of the City of New York</i>) '87; A.M. (<i>Vanderbilt University</i>) '92. Latin, Greek. 3.	New York City.	5810 Drexel av.
Weber, William Lander,	A.B. (<i>Wafford College</i>) '86; A.M. (<i>Ibid.</i>) '88. English, German.	Jackson, Miss.	5622 Ellis av.
West, Max,	S.B. (<i>University of Minnesota</i>) '90; A.M. (<i>Columbia College</i>) '92; Ph.D. (<i>Ibid.</i>) '93. Political Economy, Social Science. 2.	Chicago.	4655 Gross av.
Whaley, John Byrd,	A.B. (<i>Western Maryland College</i>) '89. Semitic. 6.	Plymouth, N. C.	5620 Ellis av.
Whipple, Elliot,	A.B. (<i>Dartmouth College</i>) '64; A.M. (<i>Wheaton College</i>) '70. Political Economy, Political Science.	Wheaton.	Wheaton.
White, Anna Fairchild, Mrs.,	S.B. (<i>Kansas State Agricultural College</i>) '91. English.	Manhattan, Kan.	5724 Drexel av.
White, Francis Harding,	A.B. (<i>Princeton College</i>) '87; A.M. (<i>Ibid.</i>) '90. Social Science, Political Economy.	Manhattan, Kan.	5724 Drexel av.
Wier, Marion, Clyde,	A.B. (<i>St. John's College</i>) '92. Greek, Latin.	South, River, Md.	5854 Rosalie ct.
Wilcox, Albert Henry,	A.B. (<i>University of Rochester</i>) '90. Greek, Latin.	Rochester, N. Y.	12 G.
Wilcox, William Craig,	A.B. (<i>University of Rochester</i>) '88; A.M. (<i>Ibid.</i>) '91. Political Science, History. 6.	Rochester, N. Y.	12 G.
Wilkins, Walter Eugene,	A.B. (<i>Furman University</i>) '93. Sociology, Philosophy, English, Social Science. 3.	Charleston, S. C.	541-55th St.
Wilkinson, Ethel,	A.B. (<i>Vassar College</i>) '93. Greek, English.	Chicago.	361, 58th st.
Wilkinson, Florence,	A.B. (<i>Wellesley College</i>) '92. English, German, Greek, Social Science. 3.	Chicago.	5825 Drexel av.
Winston, Ambrose Paré,	A.B. (<i>University of Wisconsin</i>) '87. Political Economy. 3.	Chicago.	6028 Wharton av.
Wood, Alfred Augustus,	A.B. (<i>Oberlin College</i>) '82; A.M. (<i>Ibid.</i>) '87; S.T.B. (<i>Boston University</i>) '88. Philosophy, Histology. 3.	Milwaukee, Wis.	5494 Ellis av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; B.D. (<i>Crozer Theological Seminary</i>) '89. Biblical and Patristic Greek. 3.	Philadelphia, Pa.	146 D.
Wray, Gertrude Wallace,	A.B. (<i>Wellesley College</i>) '91. Latin, Greek.	Bellwood, Pa.	5718 Kimbark av.
Zarbell, Ada,	A.B. (<i>University of Michigan</i>) '92. Comparative Philology, Latin. 3.	Chicago.	4132 Ellis av.

TOTAL, 148.

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Arnold, Charles Lincoln,	S.B. (State University of Ohio) '90; S.M. (Ibid.) '94. Mathematics.	Columbus, Ohio.	24 Sn.
Barrett, Storrs Barrows.	A.B. (University of Rochester) '89. Astronomy, Physics. 6.	Rochester, N. Y.	438, 57th st.
Bates, Clinton Owen,	A.B. (University of Arkansas) '83. Physics.	Cedar Rapids, Iowa.	5724 Drexel av.
Benner, Henry,	S.B. (State Normal School, Westchester, Pa.) '85; S.M. (University of Michigan) '89. Mathematics.	Chicago.	14 Bryant av.
Blackmarr, Frank Hamlin,	S.B. (University of Chicago) '94. Anatomy, Chemistry.	Jamestown, N. Y.	613 Chestnut st.
Blakslee, Thomas Marcus,	(Ph.B. (Colgate University) '74; Ph.D. (Yale University) '80. Mathematics, Astronomy.	Des Moines, Ia.	32 G.
Bosworth, Anne Lucy,	B.S. (Wellesley College) '90. Mathematics.	Woonsocket, R. I.	10 Kl.
Bownocker, John Adams,	S.B. (Ohio State University) '89. Geology. 6.	Columbus, Ohio.	5425 Cott. Grove av.
Broek, Edith Minerva,	Neurology, Histology.	Lincoln, Neb.	5529 Monroe av.
Burns, Elmer Ellsworth,	S.B. (Simpson College) '94. Physics, Mathematics.	Chicago.	6126 Wharton av.
Chase, Mabel Augusta,	A.B. (Oberlin College) '88; A.M. (Cornell University) '90. Physics.	Nashville, Tenn.	5614 Drexel av.
Cole, Aaron Hodgman,	A.B. (Colgate University) '84; A.M. (Ibid.) '87. Neurology, Histology.	Chicago.	5726 Monroe av.
Dains, Frank Burnett,	Ph.B. (Wesleyan University); S.M. (Ibid.) Chemistry.	Chicago.	5759 Madison av.
Dickson, Leonard Eugene,	S.B. (University of Texas) '93; A.M. (Ibid.) '94. Mathematics.	Cleburne, Texas.	5515 Woodlawn av.
Elder, Frederick Stanton,	A.B. (Princeton College) '93. Mathematics.	Fairfield, Iowa.	229 Jackson Park ter.
Farr, Marcus Stults,	A.B. (Princeton College) '92; S.M. (Ibid.) '92. Paleontology, Zoology. 3.	Cranbury, N. J.	Non-resident.
Foley, Arthur Lee,	A.B. (University of Indiana) '90; (Ibid.) '91. Physics, Mathematics. 2.	Bloomington, Ind.	6042 Washington av.
Ford, Elizabeth Keith,	(Daughters College, Ky.) Geology. 3.	Paris, Ky.	438, 57th st.
Frank, Harrison L.	A.B. (Otterbein University) '76; A.M. (Ibid.) '79. Physics, Chemistry.	Fostoria, Ohio.	48 Sn.
Froley, John William,	S.B. (University of Missouri) '88; S.M. (Ibid.) '92. Astronomy, Mathematics. 6.	Canton, Mo.	5630 Ingleside av.
Geiger, Alice,	S.B. (Wittenberg College) '79. Geology, Botany.	Springfield, Ohio.	F.
Hardesty, Irving,	A.B. (Lake Forest College) '92. Zoology, Physiology, Histology. 3.	Wakefield, N. C.	623, 55th st.
Hart, James Norris.	B.C.E. (Maine State College) '85; C.E. (Ibid.) '90. Astronomy, Mathematics.	Orono, Maine.	5726 Monroe av.
Heese, Bernhard Conrad,	Ph.C. (University of Michigan) '89; S.B. (Ibid.) '93. Physics, Physical Chemistry. 3.	Saginaw, Mich.	5620 Ellis av.
Hodgman, Thomas Morey,	A.B. (University of Rochester) '84; A.M. (Ibid.) '90. Mathematics.	Lincoln, Neb.	5620 Ellis av.
Hogeboom, Ellen Clara,	A.B. (University of Michigan) '77. Chemistry, Mathematics.	Saginaw, W.S. Mich.	
Hopkins, Thomas Cramer,	S.B. (De Pauw University) '87; S.M. (Ibid.) '90; A.M. (Leland Stanford University) '92. Geology, Mineralogy. 2.	Chicago.	6149 Woodlawn av.
Hornbeak, Samuel Lee,	A.B. (Trinity University, Texas) '85; A.M. (Ibid.) '86. Chemistry.	Tehuacana, Tex.	499 E. 63d st.
Hughes, Raymond Mollyneaux,	A.B. (Miami University) '93. Chemistry.	Oxford, Ohio.	5620 Ellis av.
Hull, Daniel,	A.B. (Toronto University) '89. Mathematics.	Deer Park, Toronto, Canada.	23 G.
Hunt, Caroline Louisa,	A.B. (Northwestern University). Chemistry.	Evanston.	5620 Ellis av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Jones, Arthur Julius,	A.B. (<i>Iowa College</i>) '93. Geology.	Grinnell, Iowa.	5750 Madison av.
Lehman, Daniel Acker,	S.B. (<i>Normal School, Millersville, Pennsylvania</i>); Ph.B. (<i>Wesleyan University</i>). Physics, Mathematics, Astronomy. 3.	Chambersburg, Pa.,	541, 55th st.
Ling, George Herbert,	A.B. (<i>University of Toronto</i>) '98; A.M. (<i>Columbia College</i>) '94. Mathematics.	Wallacetown, Ont.	5800 Jackson av.
Lothrop, Harriet Eleanor,	M.D. (<i>University of Zurich, Switzerland</i>) '90. Neurology, Histology.	Brookline, Mass.	6460 Oglesby av.
McCracken, William,	A.B. (<i>University of Michigan</i>) '86. Chemistry, Physics, Biology.	Beaver Falls, Pa.	35 Sn.
McKinney, Thomas Emery,	A.B. (<i>Marietta College</i>) '87. Mathematics.	Marietta, Ohio.	5418 Greenwood av.
McPherson, William, Jr.,	S.B. (<i>Ohio State University</i>) '87; S.M. (<i>Ibid.</i>) '90. Chemistry.	Columbus, Ohio.	440, 57th st.
Merrill, Harriet Bell,	S.B. (<i>University of Wisconsin</i>) '90; S.M. (<i>Ibid.</i>) '93. Neurology.	Milwaukee, Wis.	12 Kl.
Merrill, Joseph Francis,	S.B. (<i>University of Michigan</i>) '93. Chemistry, Physics, Mathematics.	Richmond, Utah.	5620 Ellis av.
Millikan, Robert Andrews,	A.B. (<i>Oberlin College</i>) '91; A.M. (<i>Ibid.</i>) '93. Physics, Astronomy.	Anamosa, Iowa.	5800 Jackson av.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Physiology. 3.	Chicago.	429, 57th st.
Morgan, Joseph,	A.B. (<i>Dartmouth College</i>) '89. Mathematics, Physics.	Dallas, Tex.	36 The Inverness.
Morse, Irving H.,	S.B. (<i>University of Kansas</i>) '91. Chemistry.	St. Patricks, La.	9 G.
Neal, William Dalton,	S.B. (<i>University of Utah</i>) '92; S.M. (<i>University of Michigan</i>) '94. Geology, Mineralogy.	Salt Lake City, Utah.	5620 Ellis av.
Neely, John Crosby,	A.B. (<i>Princeton College</i>). Mathematics.	Chicago.	2619 Indiana av.
Newton, George Alexander,	A.B. (<i>Trinity University, Texas</i>). Mathematics.	Tehuacana, Tex.	499, 63d st.
Nichols, Ernest Reuben,	S.B. (<i>University of Iowa</i>) '87; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics.	Manhattan, Kan.	5455 Monroe av.
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91. Geology, Biology. 3.	Carmel, Ind.	The Keene, 55th st.
Perrine, Charles H.,	Ph.B. (<i>Northwestern University</i>) '92. Chemistry, Physics. 2.	Chicago.	3410 Rhodes av.
Rice, Martin Everett,	S.B. (<i>University of Kansas</i>) '91; S.M. (<i>Ibid.</i>) '93. Physics.	Lawrence, Kan.	5724 Drexel av.
Richardson, Sophia Foster,	A.B. (<i>Vassar College</i>) '79. Mathematics.	Poughkeepsie, N. Y.	F.
Roos, Charles E.,	A.B. (<i>Muhlenberg College</i>) '93. Botany, Biology.	New Hanover, Pa.	5620 Ellis av.
Rothrock, David A.,	A.B. (<i>University of Indiana</i>) '92; A.M. (<i>Ibid.</i>) '93. Mathematics.	Bloomington, Ind.	5515 Woodlawn av.
Roy, Victor Leander,	S.B. (<i>University of Louisiana</i>). Chemistry, German.	Mansura, La.	5620 Ellis av.
Runyon, William Henry,	A.B. (<i>Princeton College</i>) '88; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics.	Chicago.	5757 Madison av.
Sabin, Mary Sophia,	A.B. (<i>Smith College</i>) '91. Zoology, Botany.	Chicago.	794 W. Adams st.
Sargent, Herbert Edward,	S.B. (<i>Carleton College</i>) '87. General Biology.	Woodville, Ala.	5836 Drexel av.
Scarborough, James Harris,	A.B. (<i>Trinity College, N. C.</i>) '87; S.M. (<i>Vanderbilt University</i>) '94. Mathematics, Physics.	Kirksville, Mo.	5835 Drexel av.
Schottenfels, Ida May,	Ph.B. (<i>Northwestern University</i>) '92. Mathematics. 2.	Chicago.	5602 Jackson av.
Seals, William Wirt,	A.B. (<i>Emory College</i>) '79. Chemistry, Physics, Geology.	Houston, Texas.	5418 Greenwood av.
Smith, Adelaide,	S.E. (<i>Wellesley College</i>) '93. Mathematics, Physics.	Boone, Iowa.	49 Kl.
Smith, Thomas Alexander,	A.B. (<i>Muskingum College</i>) '72; A.M. (<i>Ibid.</i>) '75; Ph.D. (<i>Yale University</i>) '77. Mathematics, Physics.	Beloit, Wis.	5722 Madison av.
Steinner, Ernest Brown,	Mathematics.	Madison, Wis.	5721 Monroe av.
Stewart, Maude Gertrude,	L.B. (<i>Carleton College</i>) '88. Chemistry.	Northfield, Minn.	5800 Jackson av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '89. Chemistry, Physics. 5.	Chicago.	3352 Indiana av.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Mathematics. 3.	Chicago.	3352 Indiana av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Studley, Duane,	S.B. (Cornell University) '81. Mathematics.	Crawfordsville, Ind.	22 G.
Taylor, William Edgar,	A.B. (Clinton College) '79; A.M. (Ibid.) '85. S.M. (Purdue University) '92. Geology, Zoology. 5.	Chicago.	6034 Woodlawn av.
Thomas, William Isaac,	A.B. (University of Tennessee) '84; A.M. (Ibid.) '85; Ph.D. (Ibid.) '86. Social Science, Anthropology. 2.	Oberlin, Ohio.	6420 Lexington av.
Townsend, Edgar Jerome,	Ph.B. (Albion College) '90; Ph.M. (University of Michigan) '91. Mathematics.	Champaign.	5763 Madison av.
Van Oedel, Edgar Bates,	A.B. (Knox College) '94. Chemistry, Biology.	Galesburg.	128 D.
Welch, Jeanette Cora,	A.B. (Wellesley College) '89. Physiology, Physics. 6.	Chicago.	F.
Willard, Daniel Everett,	A.B. (Oxford University) '88; A.M. (Ibid.) '90. Geology. 4½.	Nile, N. Y.	6124 Wharton av.
Wolfe, Katherine Margaret,	L.B. (Adrian College); S.B. (Ibid.) Neurology, Chemistry. 3.	Tiffin, Ohio.	31 B.
			TOTAL, 75.

THE NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Abbott, Mary Merriman,	A.B. (Vassar College) '78. Social Science and Anthropology.	Hendersonville, N. C.
Bowen, Mary,	Ph.D. (Iowa College) '93. English.	Centreville, Iowa.
Breasted, James H.,	A.B. (Northwestern College) '89. Semitic.	Berlin, Germany.
Burris, William Paxton,	Ph.B. (De Pauw University) '91. Philosophy.	Bluffton, Ind.
Campbell, Peter Sinclair,	A.B. (Toronto University) '77. Greek.	92 Yorkville av., Toronto, Canada.
Estey, Steven Sewell,	A.B. (Oberlin College) '83; A.M. (Ibid.) '87. Social Science.	Humboldt, Kans.
Foster, George Burman,	A.M. (West Virginia University) '83.	499 Euclid av., Toronto, Canada.
Hulley, Eloise Mayham,	A.B. (University of Michigan) '90; A.M. (University of Chicago) '94. Philosophy.	Lewisburg, Pa.
Hulley, Lincoln,	A.B. (Bucknell University) '88; A.B. (Harvard College) '89; A.M. (Bucknell University) '91. Semitic.	Lewisburg, Pa.
Jones, Frank William,	S.B. (Wisconsin State University) '92. Geology.	Elk Grove, Wis.
Kling, Henry F.,	Ph.B. (Upper Iowa University) '83. Political Economy.	Hot Springs, S. D.
Locy, William A.,	B.S. (University of Michigan) '81; S.M. (Ibid.) '84. Zoology.	Lake Forest.
McKee, William Parker,	A.B. (Wabash College) '83; D.B. (Morgan Park Theological Seminary) '81. Ancient History.	522, 12th av., S. E., Minneapolis, Minn.
Patton, Walter M.,	D.B. (Wesleyan Theological College, Montreal). Semitic.	228 University st., Montreal, Canada.
Plumb, George H. R.,	Ph.B. (Lafayette College) '77; A.M. (Ibid.) '80. Political Economy.	Glencoe.
Schmidt, William G. W.,	Ph.B. (Northwestern College); Ph.M. (Syracuse University). Germanics.	Lake Forest.
Townsend, Edgar J.,	Ph.M. (Albion College) '90; Ph.M. (University of Michigan) '92. Mathematics.	Champaign.
Treadwell, A. L.,	B.S. (Wesleyan University) '88; S.M. (Ibid.) '90. Zoology.	Miami University, Oxford, Ohio.
Udden, John August,	A.B. (Augustana College) '81; A.M. (Ibid.) '89. Geology.	1000, 38th st., Rock Island.
Walker, Buzz M.,	B.S. (Agricultural and Mechanical College of Mississippi) '83; M.S. (Ibid.) '86. Mathematics.	Agricultural College, Miss.
Wood, Irving F.,	A.B. (Hamilton College) '85; A.M. (Ibid.) '88; D.B. (Yale University) '92.	Smith College, Northampton, Mass.
Wright, Frederick Herbert,	A.B. (Mt. Allison College) '75. Semitic.	Grand Pre, N. S.
TOTAL, 22.		

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Adams, Annie Grace,	Ph.B. (Cornell College) '91; (Chicago Training School).	Chicago.	114 Dearborn st.
Ames, Edward Scribner,	A.B. (Drake University) '89; D.B. (Yale University) '92.	Cedar Rapids, Ia.	132 D.
Arter, Jared Maurice,	Ph.B. (Hillsdale College) '85; D.B. (Chicago Theological Seminary) '94.	Rippon, W. Va.	111 D.
Beyl, John Lewis,	S.B. (Borden Institute) '89. 3.	Jeffersonville, Ind.	5558 Drexel av.
Bissell, Allen Page,	Ph.D. (University Leipzig) '84; D.D. (University of Vermont) '84.	Charlotte, N. C.	128 D.
Bone, Winstead Paine,	A.B. (Trinity University) '83; D.B. (Cumberland University) '86; D.B. (Union Theological Seminary) '88.	Lebanon, Tenn.	71 D.
Borden, Edward Howard,	A.B. (Acadia University) '92. 5.	Truro, N. S.	109 D.
Brewster, Marilla Marks,	(New Hampton Literary and Biblical Institute).	N. Danville, N. H.	5515 Woodlawn av.
Bronson, Edwin Julius,	A.B. (Colgate University) (Newton Theological Seminary). 3½.	Englewood.	529, 61st st.
Cahill, Isaac Jasper,	A.B. (Hiram College) '89.	Kenton, Ohio.	123 South D.
Caskey, William,	B.A. (Knox College) '91.	Chicago.	Chicago Heights.
Crawford, Jerry Tinder,	L.B. (Ottawa University) '92.	La Bette City, Kan.	67 D.
Dyer, Gustavus Walker,	A.B. (Randolph Macon College) '91; A.M. and D.B. (Vanderbilt University) '94.	Axton, Va.	66 D.
Ewing, Addison Alvord,	A.B. (Amherst College) '92. 1½.	Danvers, Mass.	147 D.
Farr, Finis King,	C.E. (Cumberland University) '89; D.B. (Ibid.) '94.	Kansas City, Mo.	56 D.
Fenlon, John Francis,	A.B. (St. Mary's Seminary) '92; A.M. (Ibid.) '93.	Chicago.	7001 Yale av.
Frantz, Edward,	A.B. (Ohio Normal University) '91. 6.	Chicago.	455, 55th st.
Georges, Mooshie,	(Oroomiah College, Persia). 3½.	Oroomiah, Persia.	110 D.
Goodwin, Eneas Bernard,	A.B. (St. Mary's Seminary) '92; D.B. (Ibid.) '94.	Chicago.	3622 Dearborn st.
Griffeth, Benjamin Franklin,	(Morgan Park Theological Seminary). 8.	Lula, Va.	5724 Drexel av.
Guard, Paul,	Th.B. (Oberlin College) '93. 3½.	Cleves, Ohio.	5825 Kimbark av.
Harris, Eugene,	A.B. (Fisk University) '87; A.M. (Ibid.) '90; D.B. (Oberlin Seminary).	Nashville, Tenn.	65 D.
Hazelton, Carl Dorsey,	A.B. (Franklin College) '93. 3½.	Richmond, Ind.	148 D.
Kolmos, Jesse Jessen,	A.B. (Western College).	Toledo, Iowa.	139 D.
Matzinger, Philip,	A.M. (Calvin College) '80.	Elk Rapids, Mich.	90 D.
Mebane, William Nelson,	A.B. (Davidson College) '83.	Dublin, Va.	60 D.
Meigs, Robert Vaun,	A.B. (Indian University) '94.	Siloam Springs, Ark.	76 D.
Murray, Charles Henry,	A.B. (William Jewell College) '91.	Kansas City, Mo.	144 D.
Nance, Walter Buckner,	A.B. (Vanderbilt University) '88.	Nashville, Tenn.	72 D.
Patrick, Bower Reynolds,	A.B. (William Jewell College). 1½.	Hannibal, Mo.	70 D.
Phillips, Llewellyn,	A.B. (Bucknell University) '92.	Plymouth, Pa.	59 D.
Proctor, John Thomas,	A.B. (William Jewell College) '91. 3½.	Philadelphia, Mo.	149 D.
Rapp, John Jacob,	D.B. (Garret Biblical Institute) '90.	Oak Park.	
Rentz, William F.,	A.B. and A.M. (Pennsylvania College).	Atchison, Kan.	62 D.
Says, William Christopher,	A.B. (Wilmington College); A.M. (Haverford College).	Wilmington, Ohio.	5646 Monroe av.
Steelman, Albert Judson,	A.B. (Colgate University). 3½.	City of Mexico, Mex.	145 Oakwood boul.
Stevenson, James Henry,	A.B. (McGill College) '89; B.D. (Wesleyan Theological College) '90.	Nashville, Tenn.	70 D.
Van Osdel, Oliver Willis,	A.M. (Old University of Chicago) '83; D.B. (Baptist Union Theological Seminary) '83; D.D. (Shurtleff College) '94.	Galesburg.	128 D.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Vosburgh, Homer Jerome,	A.B. (<i>Colgate University</i>) '86; A.M. (<i>Ibid.</i>) '88.	<i>Chicago.</i>	535 South Normal Parkway.
Williams, Milton Bryant,	A.B. (<i>Northwestern University</i>) '94.	<i>Moreland.</i>	2426 Ohio st.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. 6.	<i>Maywood.</i>	55th st.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; (<i>Crozer Theological Seminary</i>) '89. 3¼.	<i>Philadelphia, Pa.</i>	146 D.
Wynne, Richard Henry,	A.B. (<i>Bethany College</i>) '72; A.M. (<i>Ibid.</i>) '83.	<i>Bethany, W. Va.</i>	134 D.
			TOTAL, 43.

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE AND PLACE; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Beyl, Frederick Almon,	Special (<i>Borden Institute</i>).	<i>Memphis, Ind.</i>	5558 Drexel av.
Church, Charles Alpheus,		<i>Rockford.</i>	49 D.
Claypool, Addison Knox,	(<i>Grove City College</i>).	<i>North Buffalo, Pa.</i>	45 D.
Dexter, Stephen Byron,	(<i>Bible Institute, Chicago</i>) '90. 1 yr.	<i>Chicago.</i>	80 Institute Place.
Hatch, Elmer Ellsworth,	(<i>California College</i>). 3¼.	<i>Lafayette, Cal.</i>	143 D.
Mason, George Claude,	(<i>High School, Jacksonville, Ill.</i>) 3¼.	<i>Mason City, Ia.</i>	5524 Ingleside av.
Milne, William Lorimer,	(<i>Cliff College, England</i>).	<i>Aberdeen, Scotland.</i>	D.
Montague, John Y.,	(<i>National Normal University</i>).	<i>Pratt, Kan.</i>	68 D.
Nesbit, Edward Templar,	(<i>Drake University</i>).	<i>Colusa, Cal.</i>	79 D.
Schlosser, Thomas Franklin,	S.B. (<i>S. Dakota Agricultural College</i>) '92.	<i>Marion, S. Dak.</i>	122 D.
Spickler, Henry Martin,	Special (<i>Mount Morris College</i>) '94.	<i>Polo.</i>	54 D.
Thompson, Thora Maria,	(<i>Pillsbury Academy</i>). 9.	<i>Montevideo, Minn.</i>	6 B.
Walker, William Parkerson,	(<i>Allegheny College, Virginia</i>).	<i>Huntington, W. Va.</i>	38 D.
West, John Sherman,	S.B. (<i>Massachusetts Agricultural College</i>) '90. 3¼.	<i>Belcher Town, Mass.</i>	63 D.
Winders, Charles Henry,	(<i>Christian University</i>).	<i>Palmyra, Mo.</i>	139 D.
Young, Charles Alexander,	(<i>University of Missouri</i>) '85; (<i>Union Theological Seminary</i>) '91.	<i>Ann Arbor, Mich.</i>	129 D.
Yousephoff, Phineas Joachim,	(<i>Cliff College, England</i>).	<i>Odessa, Russia.</i>	6120 Wharton av.
			TOTAL, 17.

THE UNIVERSITY COLLEGES.

NOTE.—The numerals which follow the name of the Collegiate degree for which the student is registered, indicate the number of majors with which the University College student has been credited.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'N.	HOME ADDRESS.	PRESENT ADDRESS.
Barker, Burt Brown,	A.B., 18½,	Willamette University.	Salem, Oregon.	4806 St. Lawrence av.
Barnes, Samuel Denham,	S.B., 24.	Beloit College.	Chicago.	3617 Prairie av.
Beatty, Maria,	A.B., 22.	Lake High School.	Chicago.	4444 Emerald av.
Boomer, Alice,	Ph.B., 21.	Ottawa University.	Fairview, Kan.	6038 Oglesby av.
Brandt, Berkeley,	A.B., 25½.	Allen's Academy.	Chicago.	1316 Michigan av.
Breyfogle, Caroline May,	A.B., 18.	Ohio State University.	Columbus, Ohio.	19 Kl.
Caraway, Henry Reat,	Ph.B., 25½.	Northwestern University.	Tuscola.	15 G.
Clark, Faith Benita,	Ph.B., 21.	Rockford Seminary.	Rockford.	The Colonies Hotel.
Flint, Joseph Marshall,	S.B., 29.	Princeton College.	Chicago.	265 E. Indiana st.
Furness, Mary,	A.B., 18.	Lyons High School.	Chicago.	5609 Jackson av.
Hamilton, Aletheia,	A.B., 27½.	Ohio Wesleyan University.	Chicago.	4720 Madison av.
Hobart, Ralph Hastings,	S.B., 19.	Beloit College.	Chicago.	5110 East End av.
Hughes, Robert Lee,	A.B., 21.	Mount Hermon School, Mass.	Prospect, N. Y.	324, 57th st.
Jone, Hugo,	S.B., 30.	Real Gymnasium, Rawitsch.	Chicago.	204 S. Halsted st.
Karpen, Julius,	Ph.B., 18.	University of Illinois.	Chicago.	36 Potomac av.
Kellogg, Edith Sarah,	S.B., 18.	Academy, Iowa College.	Correctionville, Ia.	2970 Groveland av.
Kohlsaat, Philemon Bulkley,	Ph.B., 33½.	Northwestern University.	Chicago.	19 Sn.
Looney, Belle Eugene,	A.B., 27.	Trinity University, Texas.	Farmersville, Tex.	63d and Lexington av.
Luttrell, Estelle,	A.B., 18.	Christain University, Mo.	Canton, Mo.	5541 Cottage Grove.
Mathews, John Lathrop,	A.B., 21½.	Massachusetts Institute of Technology.	South Evanston.	5810 Drexel av.
McClintock, Samuel Sweeney,	Ph.B., 18.	Kentucky University.	Lexington, Ky.	5745 Madison av.
Moffatt, William Eugene,	A.B., 18.	North Division High School.	Chicago.	6040 Washington av.
Moran, Thomas William,	Ph.B., 27½.	University of Michigan.	Chicago.	4710 Vincennes av.
Murphy, Henry Constance,	Ph.B., 30½.	University of Notre Dame.	Woodstock.	5700 Kimbark av.
Oeschger, William,	A.B., 27.	Cotner University.	Valparaiso, Neb.	623, 55th st.
Raycroft, Joseph Edward,	A.B., 18.	Worcester Academy.	Boston, Mass.	University of Chicago.
Rogers, May Josephine,	Ph.B., 31.	University of Michigan.	Chicago.	5657 Cottage Grove.
Roosa, Howard,	A.B., 27½.	Yale University.	Rosendale, N. Y.	Hotel Barry.
Sass, Louis,	Ph.B., 19.	West Division High School.	Chicago,	847 W. Monroe st.
Schnelle, Frederick Oscar,	S.B., 22½.	Real Gymnasium, Landshut, Germany.	Görlitz, Germany.	30 Sn.
Sherman, Franklyn Cole,	A.B., 23.	Cornell College.	Chicago.	3724 Ellis av.
Stebbins, Althea V.,	Ph.B., 23.	Wellesley College.	Rochester, Minn.	F.
Tanaka, Kiichi,	A.B., 23.	Kentucky University.	Tokio, Japan.	53 Sn.
Taylor, Thomas Jackson,	A.B., 35.	Missouri State University.	St. Louis, Mo.	5836 Drexel av.
Todd, Elmer Ely,	A.B., 18.	Morgan Park Academy.	Dixon.	5537 Lexington av.
Webster, Ralph Waldo,	Ph.B., 25.	Monmouth College.	Monmouth.	5745 Rosalie ct.
Williams, John William,	Ph.B., 26½.	Cornell College.	Norwood Park.	62 Sn.
Wyant, Adam Martin,	A.B., 33½.	Bucknell University.	Adrian, Pa.	30 Sn.

TOTAL, 38.

THE ACADEMIC COLLEGES.

NOTE.—The numerals which follow immediately upon the name of the Collegiate degree for which the student is registered indicate the number of majors with which the student is credited in the Academic Colleges; in cases where a second numeral is added, it indicates the number of University College majors which the Academic College student has acquired.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Adams, Victoria Anna	A.B., 10, 10.	Wellesley College.	Chicago.	F.
Alschuler, Leon,	Ph.B., 6.	South Division High School.	Chicago.	2216 Wabash av.
Arnold, Oswald James,	Ph.B., 14, 1.	North Division High School.	Chicago.	24 Maple st.
Atwood, Harry Fuller,	A.B., 7½.	Morgan Park Academy.	Hay City, Kans.	Sn.
Atwood, Wallace Walter,	Ph.B., 13, 2.	West Division High School.	Chicago,	4531 Forestville av.
Batt, Max,	Ph.B., 13.	South Division High School.	Chicago.	3752 Elmwood pl.
Bennett, Lucy Lovejoy,	A.B., 12½.	Evanston High School.	Evanston.	Hotel Barry.
Bigelow, Jessie Florence,	Ph.B., 11, 12.	University of Nebraska.	Ogden, Utah.	6410 Ellis av.
Bishop, William Reed,	Ph.B., 6½.	N. Y. State Normal School.	Oswego, N. Y.	5737 Kimbark av.
Brown, Alice Elizabeth,	S.B., 4.	Illinois Wesleyan University.	Lafayette, Ind.	Kl.
Brown, James Scott,	A.B., 4.	Omaha High School.	Englewood.	6357 Wright st.
Browne, Agnes May,	A.B., 9.	Morgan Park Academy.	Morgan Park.	Morgan Park.
Calhoun, Fred Harvey Hall,	S.B., 1, 1.	South Side School.	Auburn, N. Y.	2336 Indiana av.
Campbell, John Tyler,	S.B., 9.	Washburn College, Topeka, Kans.	Cheney, Kans.	5726 Monroe av.
Chace, Henry Thurston, Jr.,	S.B., 13½, 2½.	Hyde Park High School.	Chicago.	5740 Rosalie ct.
Chamberlin, John Clark, Jr.,	A.B., 6½.	South Side School.	Saratoga Spgs., N.Y.	17 G.
Conard, Harvey Evan,	Ph.B.	Ohio Wesleyan University.	Cincinnati, Ohio.	300, 60th st.
Coy, Harry,	A.B.	South Side School.	Chicago.	3934 Michigan av.
Crouse, Daniel Howard,	A.B., 5½.	Lawrenceville School.	Chicago.	28 Sn.
Cullen, Charles Edward,	A.B.,	South Chicago High School.	Chicago.	8998 Commercial av.
Davis, Edgar Lee,	Ph.B.	DePauw University.	North Salem, Ind.	5722 Kimbark av.
Dougherty, Horace Raymond,	A.B., 14.	University of Michigan.	Peoria.	9 G.
Dougherty, Ralph Leland.	A.B., 10½.	Peoria High School.	Peoria.	9 G.
Drew, William Prentiss,	A.B., 10.	Englewood High School.	Englewood.	535, 67th st.
Dudley, Raymond Carleton,	Ph.B., 12½.	Morgan Park Academy.	Chicago.	2613 Indiana av.
Ebersole, Abram,	A.B., 14, 12.	University of Wisconsin.	Sterling.	2340 Indiana av.
Ekman, Gustav Adolf,	A.B., 12, 14.	Wheaton College.	Paxton.	6126 Wharton av.
Elliott, James Montague,	A.B., 10.	Trinity College, Dublin.	Lake View.	1811 Aldine av.
Fesler, Mayo Ralph,	A.B.	DePauw University.	Morgantown, Ind.	438, 57th st.
Flanders, Knight French,	A.B., 2.	South Side School.	Chicago.	64, 23d st.
Flint, Nott William,	A.B., 7½.	Lake Forest Academy.	Chicago.	265 E. Indiana st.
Ford, Margaret,	A.B., 5.	South Side School.	Chicago.	3756 Ellis av.
Friedman, Herbert Jacob,	A.B., 13, 3.	Morgan Park Academy.	Chicago.	3602 Prairie av.
Friedman, Joseph C.,	Ph.B., 14, 2½.	South Division High School.	Chicago.	3916 Prairie av.
Frutchey, Marcus Peter,	A.B.	Private Study.	Philadelphia, Pa.	5825 Jackson av.
Gamble, Samuel Wilsey,	S.B.	University of Illinois.	Chicago.	Hotel Barry.
Gatzert, Blanche,	Ph.B., 6.	South Division High School.	Chicago.	3628 Grand boul.
Greenbaum, Julius Curtis,	Ph.B., 2.	South Division High School.	Chicago.	56, 31st st.
Guthrie, Emily Wilson,	A.B., 6.	South Side School.	Chicago.	6416 Peoria st.
Haft, Della May,	Ph.B., 14.	Morgan Park Academy.	Chicago.	163, 25th st.
Hewitt, Henry Harwood,	A.B., 12.	Morgan Park Academy.	Chicago.	5535 Lexington av.
Hubbard, Harry David,	A.B., 11, 8½.	Temple College.	Philadelphia, Pa.	25 G.
Hull, Susan Hess,	Ph.B., 2.		Lake Forest.	3936 Dearborn st.
Hurlbut, Lila Cole,	Ph.B., 15.	Omaha High School.	Chicago.	467 Bowen av.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hyman, Isaac Barney,	A.B., 7, 1.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	83, 33d st.
Jackson, William Hayden,	A.B., 3.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5726 Monroe av.
Jegi, John I.,	S.B., 11, 2.	<i>Illinois Normal University.</i>	<i>Arcadia, Wis.</i>	455, 55th st.
Jones, Nellie Lander,	Ph.B., 15, 1.	<i>Mt. Holyoke College.</i>	<i>Peoria.</i>	5417 Cottage Grove av
Kennedy, Jennette,	Ph.B., 6.	<i>Ferry Hall Seminary.</i>	<i>Rib Lake, Wis.</i>	21 Kl.
Kienzle, Frederic William,	A.B.	<i>Hanover College.</i>	<i>Moorefield, Ind.</i>	5817 Rosalie ct.
Linn, James Weber,	A.B., 10.	<i>Buena Vista College.</i>	<i>Chicago.</i>	38 Sn.
Lipsky, Harry Alexander,	Ph.B., 9½, 2.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	81, 31st st.
McGillivray, Clifford Bottsford,	S.B., 11, 1.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3727 Vernon av.
Melton, Benjamin B.,	A.B., 11, 12.	<i>Eureka College.</i>	<i>Chicago.</i>	5817 Rosalie ct.
Minnick Arthur,	A.B., 9, 1.	<i>Englewood High School.</i>	<i>Chicago.</i>	6029 Ellis av.
Moore, Carrie S.,	A.B., 12, 1.	<i>Wayland Academy.</i>	<i>Beloit, Wis.</i>	39 University pl.
Neel, Carr Baker,	S.B., 11, 6.	<i>Oakland High School, Cal.</i>	<i>Chicago.</i>	3718 Ellis av.
Nelson, Jessie Louisa,	Ph.B., 6.	<i>Columbian College.</i>	<i>Helena, Montana.</i>	35 F.
Nichols, Frederick Day,	A.B., 14.	<i>Cedar Valley Seminary, Iowa.</i>	<i>Osage, Iowa.</i>	54 Sn.
Norwood, Joseph,	S.B.,	<i>Furman University.</i>	<i>Greenville, S. C.</i>	5800 Jackson av.
Peterson, Harvey Andrew,	A.B., 9.	<i>St. Louis High School.</i>	<i>St. Louis, Mo.</i>	34 Sn.
Pike, Charles Sumner,	A.B., 14½, 2.	<i>South Division High School.</i>	<i>Chicago.</i>	3908 Ellis av.
Plant, Thomas Jefferson,	A.B., 5.	<i>Lake High School.</i>	<i>Chicago.</i>	3915 Dearborn st.
Pooley, William John,	A.B., 10½, 6.	<i>Albion College.</i>	<i>Scales Mound.</i>	5623 Drexel av.
Rand, Philip,	Ph.B., 7.	<i>Phillips Exeter Academy.</i>	<i>Chicago.</i>	388 East 60th st.
Roby, Charles Foster,	Ph.B., 1.	<i>Notre Dame University.</i>	<i>Chicago.</i>	34 Sn.
Rothschild, Isaac Solomon,	S.B., 8.	<i>West Division High School.</i>	<i>Chicago.</i>	427 Carroll av.
Rugh, Ralph Elliott,	A.B.	<i>South Side School.</i>	<i>Fort Collins, Colo.</i>	6126½ Wharton av.
Simpson, Burton Jesse,	S.B., 7.	<i>Morgan Park Academy.</i>	<i>Moline.</i>	6302 Woodlawn av.
Smith, Kenneth Gardner,	A.B., 15½.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	53 Sn.
Speer, Henry Dallas,	Ph.B., 14½, 6½.	<i>Williams College.</i>	<i>Chicago.</i>	5745 Rosalie ct.
Sperans, Joel,	S.B., 13½, 3.	<i>Gymnasium, Taganrog, Rus.</i>	<i>Russia.</i>	16 Sn.
Stevens, Raymond William,	A.B., 11, 1.	<i>South Side School.</i>	<i>Chicago.</i>	483 Bowen av.
Stewart, Charles Wesley,	S.B.	<i>Colgate University.</i>	<i>Herrickville, Pa.</i>	755, 63d ct.
Wallace, Emma,	A.B., 14.	<i>Englewood High School.</i>	<i>Englewood.</i>	748, 71st st.
Walls, Emma Beales,	Ph.B., 10½, 2.	<i>Northwestern University.</i>	<i>Chicago.</i>	4334 Greenwood av.
Whyte, James Primrose,	A.B., 15½, 1½.	<i>Brown University.</i>	<i>Waukegan.</i>	4836 Calumet.
Wiley, Harry Dunlap,	S.B., 10, 1.	<i>Princeton High School.</i>	<i>Dunlap.</i>	53 Sn.
Winston, Charles Sumner,	A.B., 11, 3.	<i>South Side School.</i>	<i>Chicago.</i>	6028 Wharton av.
Wolff, Louis, Jr.,	S.B., 8, 2.	<i>Chicago Academy.</i>	<i>Chicago.</i>	1319 Washington bd.
Woods, William Brenton,	Ph.B., 12½, 8.	<i>University of Michigan.</i>	<i>Chicago.</i>	395, 57th st.
Woolley, Paul Gerhardt,	S.B., 7, 1½.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	5748 Kimbark av.
Yundt, Emery Roscoe,	Ph.B., 12, 3.	<i>Mt. Morris College.</i>	<i>Mt. Morris.</i>	5854 Rosalie ct.
				TOTAL, 83.

THE UNCLASSIFIED STUDENTS.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Adler, Hannah,	<i>An'she Maraav School.</i>	<i>Chicago.</i>	166, 34th st.
Allen, Ida Catherine,	<i>Oberlin College.</i>	<i>Oberlin, Ohio.</i>	5619 Madison av.
Anderson, Elizabeth,	<i>Marietta, Ohio, High School.</i>	<i>Marietta, Ohio.</i>	F.
Andrews, Helen Mary,	<i>Potsdam, N. Y., State Normal School.</i>	<i>Indianola, Iowa.</i>	5622 Ellis av.
Andrews, Mary Eliza,	<i>Cook County Normal School.</i>	<i>Louisville, Ky.</i>	Students' Hall Englewood.
Baird, William James,	<i>University of Colorado.</i>	<i>Boulder, Colo.</i>	5620 Ellis av.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Barber, Grove Ettinger,	<i>Hiram College.</i>	<i>Lincoln, Neb.</i>	<i>Hotel Ballard, 53d and Jefferson av.</i>
Bates, Fanny,	<i>Normal School of Physical Training, Brooklyn.</i>	<i>Dardenne, Wis.</i>	<i>538 E. 46th st.</i>
Bean, Myra Irene,	<i>Lyndon Institute.</i>	<i>Lyndon Centre, Vt.</i>	<i>F.</i>
Bennett, William Rainey,	<i>Union Christian College.</i>	<i>Clarinda, Iowa.</i>	<i>6049 Ellis av.</i>
Berry, Minnie Stuart,	<i>Cornell University.</i>	<i>Philadelphia.</i>	<i>Hotel Isabella.</i>
Beseman Ella,	<i>Peoria High School.</i>	<i>Peoria.</i>	<i>5718 Kimbark av.</i>
Bills, Elizabeth,	<i>Cornell University.</i>	<i>Oak Park.</i>	<i>5529 Monroe av.</i>
Bishop, Minnie May,	<i>Monticello Seminary.</i>	<i>Clinton.</i>	<i>F.</i>
Bousquet, Anna Carolina,	<i>Central University, Pella.</i>	<i>Pella, Iowa.</i>	<i>613, 62nd st.</i>
Bowers, Abraham,	<i>Mt. Morris College.</i>	<i>St. Joseph.</i>	<i>University of Chicago.</i>
Braam, Jacob William,	<i>Chicago Institute of Technology.</i>	<i>Chicago.</i>	<i>82 D.</i>
Brodlique, Eve H.,		<i>Chicago.</i>	<i>B.</i>
Bruce, Ida Elizabeth,	<i>Cornell University.</i>	<i>Cincinnati, Ohio.</i>	<i>1455 Fulton st.</i>
Cabell, Ellen, Mrs.		<i>Bowling Green, Ky.</i>	<i>5757 Madison av.</i>
Carson, Lucy Hamilton,	<i>Beardstown (Ill.) High School.</i>	<i>Springfield.</i>	<i>804, 64th st.</i>
Chandler, Jessie,	<i>Drake University.</i>	<i>Des Moines, Ia.</i>	<i>1232 W. Monroe st.</i>
Clinch, Nicholas Bayard,	<i>Western Theological Seminary.</i>	<i>Chicago.</i>	<i>2535 Prairie av.</i>
Cobbs, Thomas Harper,	<i>Missouri Valley College.</i>	<i>Roodhouse.</i>	<i>543 E. 55th st.</i>
Conklin, Jotilda,		<i>Indianapolis, Ind.</i>	<i>5728 Madison av.</i>
Cook, Genevieve,		<i>Portage, Wis.</i>	<i>5425 Cott. Grove av.</i>
Cook, Katherine Elinor,	<i>Portage (Wis.) High School.</i>	<i>Milwaukee, Wis.</i>	<i>5425 Cott. Grove av.</i>
Cooley, Edwin Gilbert,		<i>LaGrange.</i>	<i>LaGrange.</i>
Corcoran, Margaret,	<i>St. Paul High School.</i>	<i>St. Paul, Minn.</i>	<i>325 Cedar st., Englewood.</i>
Crittenden, Clifford Darwin,	<i>Michigan State Normal School.</i>	<i>Grand Rapids, Mich.</i>	<i>5488 Ellis av.</i>
Culver, Chester Murphy,	<i>Kansas State Normal School.</i>	<i>Topeka, Kan.</i>	<i>5620 Ellis av.</i>
Cunningham, Susan J.,		<i>Swarthmore (Del. Co.), Pa.</i>	<i>Kl.</i>
Curtis, Ada Bertha,	<i>Portland (Me.) High School.</i>	<i>Portland, Me.</i>	<i>Hotel Isabella.</i>
Daugherty, Lewis Sylvester,	<i>University of Illinois.</i>	<i>Ottawa.</i>	<i>623, 55th st.</i>
Davenport, Herbert Joseph,		<i>Sioux Falls, S. Dak.</i>	<i>22 Sn.</i>
Davenport, Mary Daniels,	<i>Council Bluffs High School.</i>	<i>Council Bluffs, Iowa.</i>	
Davis, Alice,	<i>Mt. Carroll Seminary.</i>	<i>Indianapolis, Ind.</i>	<i>5620 Ellis av.</i>
Dickerson, Spencer Cornelius,	<i>Tillotson Institute.</i>	<i>Austin, Texas.</i>	<i>3 Sn.</i>
Dickinson, Mary Eudora,	<i>Elgin High School.</i>	<i>Elgin.</i>	<i>7700 Bond av.</i>
Donagho, Lenore,	<i>Streator High School.</i>	<i>Chicago.</i>	<i>Kl.</i>
Donaldson, Olive,	<i>Normal School Lebanon, Ohio.</i>	<i>Toledo, Ohio.</i>	<i>415 E. 57th st.</i>
Driscoll, John Joseph,	<i>St. Louis University; St. Mary's College.</i>	<i>St. Mary's, Kan.</i>	<i>413 W. 12th st.</i>
Duurloo, Wilhelmine Henrietta,	<i>Wellesley College.</i>	<i>Brooklyn, N. Y.</i>	<i>17 B.</i>
Eldridge, Edward Henry,	<i>Amherst College.</i>	<i>Philadelphia, Pa.</i>	<i>5620 Ellis av.</i>
Eyer, Benjamin Franklin,	<i>Kansas State Normal School.</i>	<i>Hiawatha, Kan.</i>	<i>5431 Kimbark av.</i>
Fairfield, Otho Perry,	<i>Union Christian College.</i>	<i>Clarinda, Iowa.</i>	<i>6049 Ellis av.</i>
Finch, Lena Jeffress,		<i>Chicago.</i>	<i>2348 Calumet av.</i>
Frazeur, Gertrude Elula,	<i>Bethany College.</i>	<i>Topeka, Kan.</i>	<i>6038 Oglesby av.</i>
Gallion, Charles H.,	<i>Illinois Wesleyan University.</i>	<i>St. Joseph.</i>	<i>Hotel Barry.</i>
Gardner, Sarah Burleigh,	<i>Ashland High School, Orange, N. J.</i>	<i>Austin, Iowa.</i>	<i>F.</i>
Garrison, George Pierce,	<i>University of Edinburgh.</i>	<i>Austin, Texas.</i>	<i>Hotel Ingram.</i>
Gehrig, Emma Eliza,	<i>Dubuque High School.</i>	<i>Dubuque, Ia.</i>	<i>390, 57th st.</i>
Gibbs, Caroline E., Mrs.		<i>Greeley, Colo.</i>	<i>5558 Drexel av.</i>
Giles, Benjamin Franklin,	<i>Southern Baptist Theological Seminary.</i>	<i>East Lake, Ala.</i>	<i>623, 55th st.</i>
Goodman, Grace,	<i>Chicago High School.</i>	<i>Chicago.</i>	<i>3359 Indiana av.</i>
Goodwin, Lucia,	<i>West Aurora High School.</i>	<i>Aurora.</i>	<i>Kl.</i>

THE QUARTERLY CALENDAR.

NAME.	SCHOOL OR INST'N.	HOME ADDRESS.	PRESNT ADDRESS.
Graham, Margaret,	<i>Manchester (Iowa) High School.</i>	<i>Strawberry Pt., Ia.</i>	6048 Oglesby av.
Gray, Charlotte C., Mrs.	<i>College of Liberal Arts, Chautauqua.</i>	<i>Albany, N. Y.</i>	16 B.
Greer, Edith,	<i>Vassar College.</i>	<i>Edgewater.</i>	Edgewater.
Haggett, George Benjamin,	<i>Grand River Institute.</i>	<i>Paducah, Ky.</i>	438, 57th st.
Hales, Earl Crayton,	<i>South Side School.</i>	<i>Chicago.</i>	640, 61st st.
Hall, Marcia,		<i>Otsego, Mich.</i>	5744 Drexel av.
Harter, Hazel,	<i>Wabash High School.</i>	<i>Wabash, Ind.</i>	6634 Wright st., Englew.
Hatch, Dorus,	<i>Illinois State Normal University.</i>	<i>Golden, Colo.</i>	5750 Madison av.
Hessler, John Charles,	<i>Northwestern University.</i>	<i>Chicago.</i>	346, 55th st.
Hewetson, John Wallace,		<i>Chicago.</i>	Student Hall, Englew.
Higgins, Ella, Mrs.	<i>Rhode Island State Normal School.</i>	<i>Independence, Ia.</i>	339, 53d st.
Hill, Elizabeth Gertrude,	<i>Mount Holyoke Seminary.</i>	<i>Red Wing, Minn.</i>	F.
Hill, William Austin,	<i>Northern Indiana Normal School.</i>	<i>Hammond, Ind.</i>	5622 Ellis av.
Holton, Emma Elvira,	<i>Michigan State Normal School.</i>	<i>Allegan, Mich.</i>	558 E. 50th st.
Howard, Anna,	<i>Owensboro (Ky.) High School.</i>	<i>Pullman, Wash.</i>	41 F.
Howerth, Cora Olive, Mrs.	<i>Cambridge (Mass.) English High School.</i>	<i>Chicago.</i>	5800 Jackson av.
Hubbard, Warren,		<i>Somonauk.</i>	429, 57th st.
Hurlburt, David Guy,	<i>New Lyme Institute.</i>	<i>Ashtabula, Ohio.</i>	455, 55th st.
Iddings, Lottie Neff, Mrs.	<i>Pierceton High School.</i>	<i>Kendallville, Ind.</i>	2330 Indiana av.
Ivy, Henry McPherson,	<i>Missouri State Normal School.</i>	<i>Cape Girardiau, Mo.</i>	623, 55th st.
Jeffreys, Elizabeth,	<i>Oberlin College.</i>	<i>Hubbard, Ohio.</i>	B.
Jones, Jessie,	<i>Doane College.</i>	<i>Lincoln, Neb.</i>	155, 53d st.
Judd, S. Alice,		<i>Chicago.</i>	145 Oakwood boul.
Kennedy, Annie,	<i>University of East Tennessee.</i>	<i>Centreville, Bibb Co., Ala.</i>	KL.
King, Margaret,	<i>Drake University.</i>	<i>Des Moines, Iowa.</i>	F.
Kling, Henry Frank,	<i>Upper Iowa University.</i>	<i>Hot Springs, S. Dak.</i>	5672 Ellis av.
Laird, Samuel Booyer,	<i>Michigan State Normal School.</i>	<i>Dowagiac, Mich.</i>	6600 Ellis av.
Latimer, Ellen Hale,	<i>Old University of Chicago.</i>	<i>Chicago.</i>	366 North 40th st.
Leggett, Henry J.,		<i>La Porte, Ind.</i>	5726 Monroe st.
Lord, Robert Hubbard,	<i>Franklin Academy (Prattsburg, N. Y.)</i>	<i>Nebraska City, Neb.</i>	31 Sn.
Loughridge, Sarah F.,		<i>Iowa City, Iowa.</i>	5556 Drexel av.
Lynch, Catharine B.,	<i>Peoria High School.</i>	<i>Peoria.</i>	5714 Kimbark av.
Lyon, Asahel Jackson,	<i>Northwestern College, Naperville.</i>	<i>Wilmette.</i>	Wilmette.
Mannhardt, Ernst Guenther		<i>Crete, Neb.</i>	578, 60th st
Ludwig,			
Mattice, Ellen H.,	<i>Aurora High School.</i>	<i>Aurora.</i>	36 F.
McCalla, Emery Ellsworth,	<i>Pontiac High School.</i>	<i>Pontiac.</i>	6047 Ellis av.
McCartney, J. Edwin,	<i>Illinois Wesleyan University.</i>	<i>Valley City, N. D.</i>	623, 55th st.
McCray, Lena Blanche,	<i>Purdue University.</i>	<i>Kendallville, Ind.</i>	B.
McGhee, John Sephus,	<i>Missouri State Normal School.</i>	<i>Cape Guardian, Mo.</i>	623, 55th st.
McIver, Matthew Nelson,	<i>Beloit College.</i>	<i>Bloomington, Wis.</i>	5854 Rosalie ct.
McKenney, Charles,	<i>Olivet College.</i>	<i>Olivet, Mich.</i>	5488 Ellis av.
McKinley, Albert Edward,	<i>Temple College.</i>	<i>Philadelphia, Pa.</i>	25 G.
McKinney, Mary Margaret,		<i>Marietta, Ohio.</i>	5759 Madison av.
McMahon, Michael,	<i>Wisconsin State Normal School.</i>	<i>Kewanee, Wis.</i>	29 Sn.
McNally, Eva,	<i>Kansas State Normal School.</i>	<i>Kansas City, Kan.</i>	
McVichie, Margaret,	<i>Collingwood (Ont.) College.</i>	<i>Ironwood, Mich.</i>	5620 Ellis av.
Mead, John Lockwood,		<i>Appleton, Wis.</i>	4849 Langley av.
Miller, Nannie,		<i>Pekin.</i>	5622 Ellis av.
Mitchell, Florence Louise,	<i>Maine Wesleyan University.</i>	<i>Englewood.</i>	B.
Morris, Agnes,	<i>Dalton Female College.</i>	<i>Dalton, Ga.</i>	The Beechwood, 57th.
Morrissey, Katharine Virginia,		<i>Mendota.</i>	F.

NAME.	SCHOOL OR INST'E.	HOME ADDRESS.	PRESENT ADDRESS.
Mueller, Emma Dellert,	<i>Dubuque High School.</i>	<i>Dubuque, Iowa.</i>	390, 57th st.
Nacey, Helen Arabella,	<i>St. Mary's Academy (Notre Dame, Ind.).</i>	<i>Chicago.</i>	4501 Indiana av.
Nichols, Clara,	<i>Ashley High School.</i>	<i>Ashley.</i>	5718 Kimbark av.
Nicholson, Dexter Putnam,	<i>Johns Hopkins University.</i>	<i>Appleton, Wis.</i>	429, 57th st.
Nowland, Edna Aurelia,	<i>St. Joseph's Academy (St. Louis, Mo.).</i>	<i>Peoria.</i>	5718 Kimbark av.
Oosterbeek, Cato,	<i>Englewood High School.</i>	<i>Chicago.</i>	613, 62d st.
Owen, Hattie Belle, Mrs.	<i>Blue Mountain University (Oregon).</i>	<i>Clinton.</i>	F.
Owen, Hugh Allen,	<i>Kansas State Normal School.</i>	<i>Maywood.</i>	Maywood.
Owen, Jessie,	<i>Mt. Auburn Institute (Cincinnati).</i>	<i>Minneapolis, Minn.</i>	23 B.
Paddock, Catherine Dix,	<i>North Division High School.</i>	<i>Chicago.</i>	5451 Cornell av.
Parker, Marilla Zeroyda,	<i>Colby Academy (N. H.).</i>	<i>Brodhead, Wis.</i>	5558 Drexel av.
Parker, Martha,	<i>Hillsdale College.</i>	<i>Chicago.</i>	3417 Cott. Grove av.
Patteson, Bettie,	<i>Bellewood Seminary (Anchorage, Ky.).</i>	<i>Bowling Green, Ky.</i>	5757 Madison av.
Payne, Walter A.,	<i>Missouri State Normal School.</i>	<i>Hurdland, Mo.</i>	5800 Jackson av.
Peterson, Charles Augustus,	<i>Normal School (Danville, Ind.).</i>	<i>Argos, Ind.</i>	Boston Hotel.
Phillips, Hattie Adelia,	<i>Ten Broek Free Academy.</i>	<i>Chicago.</i>	5825 Kimbark av.
Pierce, Florence Leona,	<i>Creston High School.</i>	<i>Chicago.</i>	4225 Vincennes av.
Porter, Josephine Leslie,	<i>Rockford Seminary.</i>	<i>Monroe.</i>	326 E. 57th st.
Redwood, Cara Sposa,	<i>Barton Academy, Mobile, Ala.</i>	<i>Houston, Tex.</i>	F.
Reynolds, Katharine Hoyt,	<i>West Aurora High School.</i>	<i>Aurora.</i>	9 B.
Rider, Sara Grace,		<i>Pekin.</i>	5622 Ellis av.
Roberts, Marietta Jane,	<i>Illinois Wesleyan University.</i>	<i>Quincy.</i>	B.
Roberts, Mary Amelia,	<i>Iowa State Normal School.</i>	<i>Washington, Ia.</i>	932, 54th Ct.
Robertson, Luanna,	<i>Wooster University.</i>	<i>Morgan Park.</i>	Hotel Barry.
Robinson, Anna Thomas,	<i>Buffalo (N.Y.) State Normal School.</i>	<i>Buffalo, N.Y.</i>	516 Englewood av.
Robson, Alice,		<i>Chicago.</i>	5825 Kimbark av.
Roby, Edward Magoun,		<i>Chicago.</i>	34 Sn.
Roggy, Elizabeth,	<i>Miss Hutchinson's School.</i>	<i>Princeton.</i>	5759 Madison av.
Rounds, Erle Douglas,	<i>Kalamasoo High School.</i>	<i>Florence, Wis.</i>	29 Sn.
Rowan, Jean Morton,	<i>Morgan Park Academy.</i>	<i>Almont, Mich.</i>	5622 Ellis av.
Russell, John Benjamin,		<i>Wheaton.</i>	Wheaton.
Ruthenberg, Blanche Lydia,	<i>Cook County Normal School.</i>	<i>Chicago.</i>	1817 Belmont av.
Sanford, May Eliza,	<i>Mount Holyoke College.</i>	<i>Avoca, Ia.</i>	5722 Kimbark av.
Scott, Walter Armitage,	<i>Armour Institute.</i>	<i>Chicago.</i>	914 W. Monroe st.
Searles, Helen McGaffey,	<i>Lake Forest University.</i>	<i>Lake Forest.</i>	K.
Smith, Mary Helen,	<i>Oberlin College.</i>	<i>Chicago.</i>	528, 62d st.
Smith, Newland Farnsworth,	<i>Northwestern University.</i>	<i>Aurora.</i>	6049 Ellis av.
Snodgras, Charles Alvin,	<i>University of Missouri.</i>	<i>Marshall, Mo.</i>	543 E. 55th st.
Spillmann, Gustavius L.,	<i>Central Normal College.</i>	<i>Danville, Ind.</i>	623 E. 55th st.
Stanley, Grace,	<i>Ohio Wesleyan University.</i>	<i>Delaware, Ohio.</i>	B.
Stilwell, Henry Colby,	<i>Denison University.</i>	<i>Dayton, Ohio.</i>	5719 Monroe av.
Stone, Cynthia Lemira,	<i>Vassar College.</i>	<i>Chicago.</i>	5001 Lake av.
Straus, Henrietta,	<i>West Division High School.</i>	<i>Chicago.</i>	3914 Calumet av.
Swann, Cynthia Caswell,	<i>Salem Academy.</i>	<i>Dandridge, Tenn.</i>	F.
Swett, Julia Jemima,		<i>Clinton, Iowa.</i>	6122 Oglesby av.
Thompson, Rebecca,	<i>Shepardson College.</i>	<i>Franklin, Ind.</i>	18 Kl.
Thornton, Lee D.,	<i>Morgan Park Academy.</i>	<i>Otsego, Mich.</i>	5418 Greenwood av.
Todhunter, Eliz. Cordelia,	<i>Bryn Mawr College.</i>	<i>Wilmingon, Ohio.</i>	B.
Traber, Edward Munson,	<i>Hamilton (Ohio) High School.</i>	<i>Hamilton, Ohio.</i>	5620 Ellis av.
Travis, Gideon Baxter,	<i>State Normal School (New Paltz, N. Y.).</i>	<i>Otsego, Mich.</i>	589, 67th st.
Tregellas, Ida,	<i>Astoria (Ill.) High School.</i>	<i>Astoria.</i>	F.
Vogt, Mary Anna,	<i>Dubuque High School.</i>	<i>Dubuque, Iowa.</i>	390, 57th st.

THE QUARTERLY CALENDAR.

NAME.	SCHOOL OR INST'.	HOME ADDRESS.	PRESENT ADDRESS.
Vosholl, Henry,	<i>Boston University.</i>	<i>Warrenton, Wis.</i>	5490 Ellis av.
Warning, Theodore,	<i>St. Francis' College (Milwaukee).</i>	<i>Dubuque, Iowa.</i>	Ozark Hotel,
Weaver, Edwin Oscar,	<i>Wittenberg College.</i>	<i>Springfield, Ohio.</i>	5556 Drexel av.
Wieland, Otto E.,	<i>Proseminary (Elmhurst).</i>	<i>Duluth, Minn.</i>	37 Sn.
Wilson, William Otis,	<i>Western Normal College.</i>	<i>Bushnell.</i>	45 Sn.
Wilson, William Tilton,	<i>Northern Indiana Normal School.</i>	<i>Chicago.</i>	5548 Ingleside av.
Winbigler, Alice,	<i>Monmouth College.</i>	<i>Monmouth.</i>	6126 Sheridan av.
Wiseman, Shelley,		<i>Chicago.</i>	6527 Wright st.
Wittrock, Belle,	<i>Leavenworth High School.</i>	<i>Leavenworth, Kan.</i>	5490 Lexington av.
Wollpert, Marie,	<i>Girls' Seminary (Stillport).</i>	<i>San Francisco, Cal.</i>	50 B.
Wright, Peter Clarke,		<i>Waldo, Wis.</i>	623, 55th st.
			TOTAL, 171.

SUMMARY (SUMMER QUARTER, 1894).

GRADUATE STUDENTS,	{ School of Arts and Literature,	-	-	-	-	-	-	148
	{ Ogden School of Science,	-	-	-	-	-	-	75
	{ Non-Resident Students,	-	-	-	-	-	-	22
DIVINITY STUDENTS,	{ Graduate Divinity School,	-	-	-	-	-	-	43
	{ English Theological Seminary,	-	-	-	-	-	-	17
UNIVERSITY COLLEGE STUDENTS,	-	-	-	-	-	-	-	38
ACADEMIC COLLEGE STUDENTS,	-	-	-	-	-	-	-	83
UNCLASSIFIED STUDENTS,	-	-	-	-	-	-	-	171
TOTAL,	-	-	-	-	-	-	-	597

CONSTITUENCY OF CLASSES, SUMMER QUARTER, 1894.

REMARKS: 1. The numbers of departments and courses correspond, in general, to those of the ANNUAL REGISTER and CALENDAR No. 9, in the University proper, and in the Divinity School.

2. All classes recite in Cobb Lecture Hall, unless otherwise stated. The four floors of this building are lettered, the first being A, and the rooms numbered.

3. Abbreviations: *K*=Kent Chemical Laboratory; *R*=Ryerson Physical Laboratory; *W*=Walker Museum; *g*=Graduate Student; *u*=University College Student; *a*=Academic College Student; *d*=Divinity Student. Where not otherwise designated, the student is unclassified.

4. Numerals in parentheses at the end of each list indicate the number of students taking the course.

5. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the University, in the Registrar's office.

6. Names in *Italics* indicate students electing the first term only of a Double Minor course; those beneath the dash, those, who have registered for the second term only. In some cases *2d Term* is added to the name, indicating second term only.

THE SCHOOLS OF ARTS, LITERATURE, AND SCIENCE.

I. PHILOSOPHY.

(Students, 45; course registrations, 65.)

Psychological Ethics. DM. (16)

HEAD PROFESSOR DEWEY.

<i>Allison, g</i>	<i>Giles, g</i>	<i>Parsons, g</i>
<i>Beseman,</i>	<i>Gould, g</i>	<i>Pooley,</i>
<i>Bray, g</i>	<i>Heidel, g</i>	<i>Richert, g</i>
<i>Brewster, g</i>	<i>McGhee,</i>	<i>Schoolcraft, g</i>
<i>Clinch,</i>	<i>Milligan, g</i>	<i>Stafford, g</i>
<i>Cooley,</i>	<i>Mosley, g</i>	<i>Steelman, d</i>
<i>Eldridge,</i>	<i>Mueller,</i>	<i>Tear, g</i>
<i>Gatch, g</i>	<i>Nowland,</i>	<i>Wood, g</i>

(24)

Seminar Methods of Psychological Observation.

DM. (17)

HEAD PROFESSOR DEWEY.

<i>Allison, g</i>	<i>Eldridge,</i>	<i>Squire, g</i>
<i>Brewster, g</i>	<i>Mueller,</i>	<i>Tear, g</i>
<i>Cabill,</i>	<i>Payne,</i>	<i>Thurston, g</i>
<i>Campbell, g</i>	<i>Pierson, g</i>	<i>Wood, g</i>
<i>Cooley,</i>	<i>Sanders, g</i>	

(14)

Psychology. DM. (2a)

ASSOCIATE PROFESSOR TUFTS.

<i>Brewster, g</i>	<i>Hubbard, H. D., a</i>	<i>Mitchell,</i>
<i>Cabill,</i>	<i>Jone, u</i>	<i>Mueller,</i>
<i>Clark, F. B., u</i>	<i>Kohlsaat, u</i>	<i>Phillips,</i>
<i>Eldridge,</i>	<i>McClintock, S. S., u</i>	<i>Pierson, g</i>
<i>Greenbaum, a</i>	<i>McIver,</i>	<i>Tregellas,</i>
<i>Gould, g</i>		
<i>Goodman,</i>	<i>McCartney,</i>	

(18)

History of Modern Philosophy. DM. (4b)

ASSOCIATE PROFESSOR TUFTS.

<i>Brewster, g</i>	<i>Roosa, u</i>	<i>Schoolcraft, g</i>
<i>Milligan, g</i>	<i>Sanders, g</i>	<i>Wright, u</i>
<i>Mosley, g</i>	<i>Tear, g (2d Term)</i>	

(8)

II. POLITICAL ECONOMY.

(Students, 37; course registrations, 50.)

Seminar in Finance.

PROFESSOR A. C. MILLER.

Hoxie, g *Catterall (2d Term)* (2)

Principles of Political Economy. DM. (1)

PROFESSOR A. C. MILLER.

<i>Benedict, g</i>	<i>Laird,</i>	<i>Paden, g</i>
<i>Davis,</i>	<i>McClintock, S. S., u</i>	<i>Porter,</i>
<i>Dodge, Le V., g</i>	<i>McIver,</i>	<i>Reasoner, g</i>
<i>Howerth, g</i>	<i>Miller, C., g</i>	<i>Robertson, g</i>
<i>Hughes, u</i>	<i>Miller, R., g</i>	<i>Stevens, a</i>
<i>Karpen, a</i>	<i>Oeschger, u</i>	<i>Stewart, a</i>
<i>Kling,</i>		

Rosseter, g *Sweet,* (21)

History of Political Economy. DM. (5)

PROFESSOR A. C. MILLER.

<i>Culver,</i>	<i>Hayfield, g</i>	<i>Rosseter, g</i>
<i>Kling,</i>	<i>Howerth, g</i>	<i>Whipple, g</i>
<i>Davis,</i>	<i>Miller, C., g</i>	<i>White, g</i>
<i>Hatch,</i>	<i>Miller, R., g</i>	<i>Williams, J. W., a</i>

Jude, g _____ (13)

Tariff History of the United States. DM. (13)

MR. HILL.

<i>Alschuler, a</i>	<i>Greenbaum, a</i>	<i>Whipple, g</i>
<i>Cabill,</i>	<i>Hatch,</i>	<i>Winston, g</i>
<i>Davidson, g</i>		

(7)

Scope and Method of Political Economy. DM. (3)

DR. CALDWELL.

<i>Hayfield, g</i>	<i>Kling,</i>	<i>Winston, g</i>
<i>Hoxie, g</i>	<i>Williams, J. W., a</i>	

(5)

Economic Factors in Civilization. DM. (6)

(Course not taken.)

DR. CALDWELL.

Statistics. DM. (10)Fulcomer, *g*Williams, J. W., *a*

DR. HOURWICH. (2)

III. POLITICAL SCIENCE.

(Students, 49; course registrations, 66.)

Comparative Politics. DM. (10)

HEAD PROFESSOR JUDSON.

Adams, *a*Davidson, *g*Davis, *g*Dodge, Le V., *g*Durbin, *g*Fertig, *g*Glover, *g*Hall, *g*Howerth, *g*Murphy, *u*Owen, *g*Paden, *g*Reasoner, *g*Robertson, *g*Rowan, *g*Spencer, *g*Whipple, *g*Wilson, *g*Calahan, *g*Daniels, L., *g*West, *g*Rygh, *g*

(22)

Civil Government in the United States. DM. (12)

HEAD PROFESSOR JUDSON.

Benedict, *g*Davis, *g*Dickinson, *g*Dodge, Le V., *g*Durbin, *g*Friedman, *a*Gallion, *g*Glover, *g*Hatfield, *g*Hall, *g*Hughes, *u*Karpen, *a*Kling, *g*Minnick, *a*Page, *g*Pike, *a*Robinson, *g*Rosseter, *g*Speer, *a*Squire, *g*Thornton, *g*Wilson, *g*Wittrock, *g*Calahan, *g*Daniels, L., *g*Fertig, *g*Rygh, *g*

(27)

Special Research.

HEAD PROFESSOR JUDSON.

Wilcox, *g*Moaley, *g*

(2)

Geography of Europe. DM. (16)

MR. CONGER.

Atwood, H. F., *a*Chamberlin, *a*Dudley, *a*McClintock, *u*Moran, Thos., *u*Murphy, *u*Oeschger, *u*Stebbins, *a*Wilson, *g*Wyant, *u*Brown, *a*Flint, Nott., *a*Hyman, *a*Plant, *a*Reasoner, *g*

(15)

IV. HISTORY.

(Students, 106; course registrations, 123.)

The Great Migrations. DM. (15)

PROFESSOR TERRY.

Andrews, *g*Bills, *g*Curtis, *g*Davis, *g*Dudley, *a*Glover, *g*Hobart, *a*Judd, *g*Kennedy, *g*Laird, *g*Leggett, *g*Mannhardt, *g*Matthews, *u*Miller, C., *g*Page, *g*Robertson, *g*Rossa, *u*Rosseter, *g*Rullkoetter, *g*Todd, *a*Vosholl, *g*Wright, *u*Calahan, *g*Rygh, *g*Thornton, *g*Winston, *a*

(26)

Early German History. DM. (33)

PROFESSOR TERRY.

Fertig, *g*Garrison, *g*Hall, *g*Judd, *g*Knox, *g*Mannhardt, *g*MacLean, *g*Rowan, *g*Rullkoetter, *g*Spencer, *g* (10)**Biblical History. M. 1st Term. (5a)**

ASSOCIATE PROFESSOR GOODSPEED.

Barker, *a*Bishop, *a*Borden, *d*Brownson, *d*Cahill, *d*Crawford, *d*Dyer, *d*Griffeth, *d*Guard, *d*Matsinger, *d*McCalla, *d*Mebane, *d*Montague, *d*Nance, *d*Nesbit, *d*Rapp, *d*Rentz, *d*Schlosser, *d*Smith, *g*Van Osdel, *d*Walker, Wm., *d* (21)**Biblical History. M. 2d. Term. (5b)**

ASSOCIATE PROFESSOR GOODSPEED.

Adams, *d*Beyl, *d*Bishop, *a*Church, *d*Claypool, *d*Farr, *d*Georges, *d*Guard, *d*Hazelton, *d*Mason, *d*Nance, *d*Nesbit, *d*Roberts, *d*Schlosser, *d*Spickler, *g* (15)**Outline History of the Middle Ages. DM. (47)**

ASSISTANT PROFESSOR TEATCHER.

Bills, *g*Coy, *a*Cullen, *a*Curtis, *g*Ebersole, *a*Ford, *a*Gatzert, *a*Haft, *a*Jude, *g*Kiensle, *a*Melton, *a*Speer, *a*Wieland, *g*Dougherty, R., *a*Hales, *u*Hurlburt, *g*Jegi, *a*Morris, *a*Pooley, *g*Roberts, *g*Whyte, *a*

(21)

American History: Colonial. M. 1st Term. (45a)

DR. SHEPARDSON.

Davis, *g*Durbin, *g*Hall, *g*Hurlburt, *g*Page, *g*Parker, *g*

(6)

American History: National. M. 1st Term. (45b)

DR. SHEPARDSON.

Benedict, *g*Bennett, *a*Boomer, *u*Curtis, *g*McKenney, *g*Flanders, *a*Gallion, *g*Hall, *g*Hurlbut, *a*Liggett, *g*Mattice, *g*Moran, *u*Morissey, *g*Nichols, *g*Paddock, *g*Page, *g*Rullkoetter, *g*Squire, *g*Stebbins, *a*Thornton, *g*Tregellas, *g*Vosholl, *g*

(22)

Herodotus. M. 1st Term.

DR. WIRTH.

Hamilton, *g* (1)**Special Work in History.**Catterall, *g* Hurlburt (2d Term)

(2)

VI. SOCIOLOGY.

(Students, 32; course registrations, 43.)

The Province of Sociology, and its Relation to the Special Social Sciences. MM. 1st Term. (24)**HEAD PROFESSOR SMALL.**

Clark, u	Hatch,	Tear, g
Cooley,	Matzinger, d	Thurston, g
Culver,	Meyers, g	Van Oedel, d
Dyer, d	Porter, g	West, g
Ewing, d	Robinson, g	White, g
Garrison,	Rounds,	Wilkins, g
Grablachoff, d	Tanner, g	Young, d

(21)

Methods of Promoting Social Welfare by Voluntary Organizations. MM. 2d Term. (20)**ASSOCIATE PROFESSOR HENDERSON.**

Clark, u	Matzinger, d	Raymond, g
Culver,	Nesbit, d	Tanner, g
Eldridge,		

(7)

Child Labor and Immigration Legislation. M. (21)**ASSOCIATE PROFESSOR BEMIS.**

Brewster, g	McCalla,	Porter,
MacLean, A., g	Meyers, g	

(5)

Some Trades Union Demands for State Activity. M. 1st Term. (101)**ASSOCIATE PROFESSOR BEMIS.**

Dexter, d	Miller, R., g	West, Max, g
Laird.	Roosa, u	White, g
Meyers, g		

(7)

The Historic Sociologies. DM. (30)**DR. THOMAS.**

Culver,	Raymond, g	Tanner, g
Howerth, g	Sanders, g	Wishart, d
Lehman, g		

(7)

Matzinger, d Roosa, u West, M., g (9)**Elements of Sociology. DM. (31)****MR. FULOOMER.**

Kolmos, d	Paden, g	Wyant, u
Meyers, g		

(4)

VII. COMPARATIVE RELIGION.

(Students, 16; course registrations, 16.)

The Historical Development of Religious Ideas. DM. (—)**ASSOCIATE PROFESSOR GOODSPEED.**

Ames, d	Adams, d (2d Term)	Robinson, g
Beyl, F., d	Hatch, d	Sherman, a
Beyl, J. L.,	Mason, d	Thompson, d
Oeschger, u	Milne, d	Windisch, d
Grablachoff, d	Pooley,	Wright, u
Guard, d		

(16)

VIII. SEMITIC LANGUAGES AND LITERATURES.

(Students, 44; course registrations, 104.)

The Book of Hosea. M. 2d Term. (18)**HEAD PROFESSOR HARPER.**

Borden, d	Georges, d	Nance, d
Ewing, d	Gray,	Willett, g
Frantz, d	Howard, d	

(8)

Advanced Hebrew Grammar. M. 2d Term. (97)**HEAD PROFESSOR HARPER.**

Beyl, d	Ewing, d	Nance, d
Bissell, d	Fenlon, d	Patrick, d
Borden, d	Frantz, d	Says, d
Breyfogle, u	Goodwin, d	Smith, g
Crawford, d	Murray, d	Willett, g

(15)

Hebrew Language. MM. 2d Term. (1)**HEAD PROFESSOR HARPER AND DR. CRANDALL.**

Behan, d	Farr, d	Vosburgh, d
Bissell, d	Kingale, d	Yousephoff, d
Bone, d	Meigs, d	West, d

(9)

The Psalter. M. 1st Term. (22a)**PROFESSOR BURNHAM.**

Borden, d	Georges, d	Rapp, d
Cahill, d	Guard, d	Walker, d
Dyer, d	Harris, d	Winders, d
Ewing, d	Hazleton, d	Wynne, d
Farr, d	Mebane, d	Yousephoff, d
Frantz, d	Nance, d	

(17)

Advanced Hebrew Grammar. M. 1st Term. (98)**PROFESSOR BURNHAM.**

Wynne, d (1)

Deuteronomy. M. 1st Term. (101)**ASSOCIATE PROFESSOR PRICE.**

Borden,	Frantz, d	Nance, d
Cahill,	Georges, d	Rents, d

(6)

Hebrew Language. MM. 1st Term. (3)**ASSOCIATE PROFESSOR PRICE.**

Bone, d	Kolmos, d	Says, d
Breyfogle, u	Milns, d	Smith, J., g
Crawford, d	Murray, d	West, J., d
Fenlon, d	Patrick, d	Williams, d
Goodwin, d	Rents, d	Wynne, d

(15)

The Arabic Language. M. 2d Term. (86)**ASSOCIATE PROFESSOR HARPER.**

Farr, d	Mebane, d	Stevenson, d
Gray,	Rapp,	Harris.

(6)

Micah. M. 1st Term. (14)**ASSOCIATE PROFESSOR HARPER.**

Harris, d	Morgan,	
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(2)

Assyrian Language. M. 1st Term. (70)**ASSOCIATE PROFESSOR HARPER.**

Harris, d	Morgan,	Stevenson,
Mebane, d	Rapp, d	

(5)

Early Assyrian Historical Inscriptions. MM. 1st Term. (72)

ASSOCIATE PROFESSOR HARPER.

Ewing, <i>d</i>	Mebane,	Rapp,	
Farr, <i>d</i>	Morgan,	Stephenson,	
Harris,	Patrick, <i>d</i>	Wynne, <i>d</i>	(9)

Historical Hebrew. M. 2d Term. (5)

DR. CRANDALL.

Beyl, <i>d</i>	Fenlon, <i>d</i>	Patrick, <i>d</i>	
Breyfogle, <i>u</i>	Goodwin, <i>d</i>	Says, <i>d</i>	
Crawford, <i>d</i>	Murray, <i>d</i>	Smith, <i>g</i>	(9)

Arabic (Special).

Goodspeed, <i>g</i>	McPheeters, <i>d</i>	(2)
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IX. BIBLICAL AND PATRISTIC GREEK.

(Students, 9; course registrations, 21.)

The Epistle to the Galatians. M. 2d Term. (31)

ASSOCIATE PROFESSOR MATHEWS.

Ames, <i>d</i>	Borden, <i>d</i>	Mason, <i>d</i>	
Beyl, <i>d</i>	Hazelton, <i>d</i>	Phillips, <i>d</i>	
Bone, <i>d</i>			(7)

New Testament Quotations from the Old Testament. M. 1st Term. (41)

DR. ARNOLT.

Bone, <i>d</i>	Milligan, <i>g</i>	Says, <i>d</i>	
Hazelton, <i>d</i>	Phillips, <i>d</i>	Williams, <i>d</i>	(6)

Paul's Epistles to the Thessalonians. M. 2d Term. (30)

DR. ARNOLT.

Bone, <i>d</i>	Milligan, <i>g</i>	Phillips, <i>d</i>	
Hazelton, <i>d</i>			(4)

X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

(Students, 15; course registrations, 23.)

General Introduction to the Study of Indo-European Philology. M. 1st Term. (1)

ASSOCIATE PROFESSOR BUCK.

Barber,	Gallup, <i>g</i>	Mealoh, <i>g</i>	
Burnet, <i>g</i>	Gordis, <i>g</i>	Potter, <i>g</i>	
Child, <i>g</i>	Martin, <i>g</i>		(8)

Comparative Grammar of Greek and Latin Languages. M. 2d Term. (4)

Aven, <i>g</i>	Fowler, <i>g</i>	Mealoh, <i>g</i>	
Burnet, <i>g</i>	Gordis, <i>g</i>	Swearingen, <i>g</i>	(6)

Sanskrit (for beginners). DMM. (10)

ASSOCIATE PROFESSOR BUCK.

Brown, <i>g</i>	Mealoh, <i>g</i>	Potter, <i>g</i>	
Gallup, <i>g</i>	Mulfinger, <i>g</i>	Searles, <i>g</i>	
Fowler, <i>g</i> (2d Term)			(7)

XI. THE GREEK LANGUAGE AND LITERATURE.

(Students, 51; course registrations, 60.)

Æschylus, Oresteia. M. 1st Term. (12)

PROFESSOR SHOREY.

Atwater, <i>g</i>	Goodwin, <i>d</i>	Peirce, <i>g</i>
Bruce,	Hamilton, <i>g</i>	Phillips, <i>d</i>
Campbell, <i>g</i>	Hamilton, <i>a</i>	Porter, J.,
Child, <i>g</i>	Hill,	Todhunter.
Compher, <i>g</i>	Huntington, <i>g</i>	Walker, <i>g</i>
Dodge, E., <i>g</i>	Hussey, <i>g</i>	Wier, <i>g</i>
Drew, <i>a</i>	Marsh, <i>g</i>	Wilcox, <i>g</i>
Faulkner, <i>g</i>	Martin, <i>g</i>	Wilkinson, E., <i>g</i>
Fenlon, <i>d</i>	Moffatt, <i>a</i>	Wilkinson, F., <i>g</i>
Gordis, <i>g</i>	Moore, <i>a</i>	Wray, <i>g</i>

(30)

Teachers' Course. M. 1st Term. (23)

PROFESSOR SHOREY.

Atwater, <i>g</i>	Faulkner, <i>g</i>	Peirce, <i>g</i>
Bennett, <i>g</i>	Hamilton, <i>g</i>	Potter, <i>g</i>
Bruce,	Holmes, <i>g</i>	Swearingen, <i>g</i>
Campbell, <i>g</i>	Huntington, <i>g</i>	Todhunter,
Child, <i>g</i>	Hussey, <i>g</i>	Walker, <i>g</i>
Compher, <i>g</i>	Marsh, <i>g</i>	Wilcox, A., <i>g</i>
Crittenden,	Martin, <i>g</i>	Wilkinson, F., <i>g</i>
Ely, <i>g</i>		

(22)

Xenophon. DMM. (2)

MR. OWEN.

Adams, <i>a</i>	Guthrie, <i>a</i>	Peterson, <i>a</i>
Allen,	Huntington, <i>g</i>	Rugh, <i>a</i>
Crittenden,	Jackson, Wm., <i>a</i>	Stilwell, <i>u</i>
Demmett, <i>g</i>	Minnick, <i>a</i>	Todhunter.

(12)

Readings and Studies in the Odyssey. M. 2d Term. (10)

DR. HUSSEY. (2)

Gordis, <i>g</i>	Wier, <i>g</i>
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Demosthenes as an Orator and a Man. M. 2d Term. (11)

MR. HEIDEL.

Beatty, <i>u</i>	Moore, <i>a</i>	Todd, <i>a</i>
Hewitt, <i>a</i>	Porter,	

(5)

XII. THE LATIN LANGUAGE AND LITERATURE.

(Students, 63; course registrations, 115.)

Teachers' Training Course. M. 1st Term. (40)

HEAD PROFESSOR HALE.

Allen,	Gordis, <i>g</i>	Parker,
Aven, <i>g</i>	Hall, <i>g</i>	Peirce, <i>g</i>
Barber,	Hamilton, <i>g</i>	Price, <i>g</i>
Bennett, <i>g</i>	Hill,	Reasoner, <i>g</i>
Bruce,	Hooper, <i>g</i>	Roberts,
Chase, <i>g</i>	Hosford, <i>g</i>	Sanford,
Child, <i>g</i>	Hussey, <i>g</i>	Spillmann,
Danforth, <i>g</i>	Loughridge,	Stanley,
Dimmitt, <i>g</i>	Lord,	Swearingen, <i>g</i>
Donaldson,	Marsh, <i>g</i>	Votaw, <i>g</i>
Ely, <i>g</i>	McGinnis, <i>g</i>	Walker,
Fairfield,	McMillan, <i>g</i>	Wray, <i>g</i>
Farrar, <i>g</i>	Melton, <i>a</i>	Zarbell, <i>g</i>
Gallup, <i>g</i>	Paden, <i>g</i>	

(41)

Problems in Latin Syntax. M. 1st Term. (40b)

HEAD PROFESSOR HALE.

Barber,	Hooper, <i>g</i>	Peirce, <i>g</i>
Bennett, <i>g</i>	Hosford, <i>g</i>	Potter, <i>g</i>
Bruce,	Hussey, <i>g</i>	Price, <i>g</i>
Danforth, <i>g</i>	Marsh, <i>g</i>	Swearingen, <i>g</i>
Hall, <i>g</i>	McGinnis, <i>g</i>	Votaw, <i>g</i>

(15)

The Georgics of Virgil. M. 1st Term. (15)

PROFESSOR CHANDLER.

Latimer,	Reynolds,	Stanley,
Moffatt, <i>a</i>	Roberts,	Votaw, <i>g</i>
Potter, <i>g</i>	Robson,	

(7)

The Epistles of Horace. DM. (17)

Aven, <i>g</i>	Fairfield,	Searles,
Campbell, <i>g</i>	Hooper, <i>g</i>	Swann,
Daniels, <i>g</i>	Wall, <i>g</i>	Walls, <i>a</i>
Dimmitt, <i>g</i>	McGinnis,	Wier, <i>g</i>
Glass, <i>g</i>	Latimer (2d Term)	

(14)

Tibullus and Propertius. M. 2d Term. (18)

PROFESSOR CHANDLER.

Aven, <i>g</i>	Robson,	Swearingen, <i>g</i>
Gordis, <i>g</i>		

(4)

Selections from Martial. M. 1st Term.

PROFESSOR POST.

Chase, <i>g</i>	Gordis, <i>g</i>	Wilcox, A., <i>g</i>
Danforth, <i>g</i>	Hosford, <i>g</i>	Wray, <i>g</i>
Daniels, <i>g</i>	McMillan, <i>g</i>	

(8)

Introduction to Latin Epigraphy. M. 1st Term.

PROFESSOR POST.

Barber,	Hooper, <i>g</i>	Searles,
Danforth, <i>g</i>		

(4)

Livy. The Writing of Latin. M. 2d Term. (6)

MR. MOORE.

Bishop, <i>a</i>	Hurlburt,	Lynch,
Coy, <i>a</i>	Looney, <i>a</i>	Wieland,
Donaldson,		

(7)

Horace (Odes). M. 2d Term. (7)

MR. MOORE.

Daniels, <i>g</i>	Hyman, <i>a</i>	Wieland,
Donaldson,	Sanford,	Woods, <i>a</i>
Haines, <i>g</i>		

(7)

Terence. M. 1st Term. (5)

MR. WALKER.

Brown, A., <i>a</i>	Looney, <i>a</i>	Traber,
Brown, Agnes, <i>a</i>	Lord,	Walls, <i>a</i>
Cobbs,	Boggy,	Wieland, Otto,
Donaldson,	Swann,	Woods, <i>a</i>
Hurlburt, <i>a</i>		

(18)

Cicero (de Senectute). M. 1st Term. (4)

MR. WALKER.

Bishop, <i>a</i>	Reynolds,	Straus,
Coy, <i>a</i>	Robson,	Traber,
Donaldson,	Roby, <i>a</i>	Votaw, <i>g</i>
Ekman, <i>a</i>	Boggy,	Wiseman,
Hurlburt,	Rugh, <i>a</i>	Wieland,
Lynch,		

(16)

XIII. ROMANCE LITERATURE AND PHILOLOGY.

(Students, 50; course registrations, 86.)

Old French. M. 1st Term. (2)

HEAD PROFESSOR KNAPP.

Cutler, <i>g</i>	Giese, <i>g</i>	Neff, <i>g</i>
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(3)

Old French. M. 2d Term. (1)

HEAD PROFESSOR KNAPP.

Clarke, <i>g</i>	Giese, <i>g</i>	Hoffman, <i>g</i>
Cutler, <i>g</i>		

(4)

Spanish. DM. (37)

HEAD PROFESSOR KNAPP.

Cutler, <i>g</i>	Moran, <i>u</i>	Gay, <i>g</i>
Geise, <i>g</i>	Neff, <i>g</i>	Murphy, <i>u</i>
Burnet, G. (2d Term)		

(7)

French. Rapid Reading and Conversation. M. 1st Term. (14)

ASSISTANT PROFESSOR BERGERON.

Atwood, H. F., <i>a</i>	Clarke, <i>g</i>	Kennedy, <i>a</i>
Barnes, <i>u</i>	Drew, <i>a</i>	Lynch,
Bean,	Guthrie <i>u</i>	Rothschild, <i>a</i>
Bousquet,	Hughes, <i>u</i>	Sherman, <i>a</i>
Bowers,	Jones, <i>a</i>	Spillman

(15)

French. Literature of the Nineteenth Century. DM. (21)

ASSISTANT PROFESSOR BERGERON.

Giese, <i>g</i>	Hull, <i>a</i>	
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(2)

French. Elements of Literature. M. 2d Term. (37)

ASSISTANT PROFESSOR BERGERON.

Atwood, H. F., <i>a</i>	Clarke, <i>g</i>	Lynch,
Barnes, <i>u</i>	Drew, <i>a</i>	Rothschild, <i>a</i>
Bean,	Guthrie, <i>a</i>	Sherman, <i>a</i>
Bowers,	Jones, <i>a</i>	Wedgewood,

(12)

French: Advanced Syntax and Composition. DM. (39)

ASSISTANT PROFESSOR BERGERON.

Barnes, <i>u</i>	Bowers,	Spillman,
Bigelow, <i>a</i>	Kennedy, <i>a</i>	Wedgewood,
Hughes, <i>a</i> (2d Term)		

(7)

Spanish. DM. (9)

MR. HOWLAND.

Karpen, <i>u</i>	Mathews, <i>u</i>	Hoffman, <i>g</i> (2d Term)
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(3)

Italian. DM. (26)

MR. HOWLAND.

Conklin, C., <i>g</i>	Knox, <i>g</i>	Wollpert,
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(3)

French (Beginning). DM. (29)

MR. HOWLAND.

Allison, <i>g</i>	Iddings,	Robinson, <i>g</i>
Crouse, <i>a</i>	Lord,	Spillman,
Dickerson,	McCray,	Steelman, <i>d</i>
Friedman, <i>a</i>	McKinney,	Stevens, <i>a</i>
Frutcher, <i>a</i>	Nacey,	Tanaka, <i>u</i>
Harter,	Oosterbeek,	Turner, <i>g</i>
Howard,	Thornton (2d Term)	

(20)

Italian. DM. (38).

MR. HOWLAND.

Conkling, <i>g</i>	Neff, <i>g</i>	
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(2)

XIV. GERMANIC LANGUAGES AND LITERATURES.

(Students, 77; course registrations, 87.)

Gothic. DM. (9)

ASSOCIATE PROFESSOR CUTTING.

Burnet, <i>g</i>	Jones,	Mealoh, <i>g</i>
Daneloo,	Kerlin <i>g</i> ,	Robertson,
Fowler, <i>g</i>	Linfield, <i>g</i>	Weber <i>g</i>
Gehrig.	Mannhardt, <i>g</i>	

(11)

Schiller's Wallenstein. DM. (22)

ASSOCIATE PROFESSOR CUTTING.

Alschuler, <i>a</i>	Howard,	Taylor, <i>u</i>
Cooley, <i>g</i>	Linfield, <i>g</i>	Turner, <i>g</i>
Davis, <i>g</i>	Rowan,	Vogt,
Dickinson,	Sass, <i>a</i>	Walls, <i>a</i>
Greenbaum, <i>a</i>		

Barrett, <i>g</i>	Spillman,	(15)
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German Lyrics. DM. (33)

ASSOCIATE PROFESSOR CUTTING.

Adler,	Gatzert, <i>a</i>	McGinnis, <i>g</i>
Chamberlin, <i>a</i>	Kerlin, <i>g</i>	Stebbins, <i>a</i>
Cooley, <i>g</i>		

(7)

Middle High German. DM. (5)

DR. VON KLENZE.

Burnet, <i>g</i>	Weber, <i>g</i>	Wollpert
Brown, <i>g</i>		(4)

Elementary Course. DMM. (29)

DR. VON KLENZE.

Ames, <i>d</i>	Flanders, <i>a</i>	Nichols,
Barrett, <i>g</i>	Glass, <i>g</i>	Paddock,
Carson,	Hall,	Sanford,
Conklin,	Looney, <i>a</i>	Traber,
Daneloo,	McGillivray, <i>a</i>	Travis,
Farr, <i>d</i>	McPheeters, <i>g</i>	Wilson,
Fealer, <i>a</i>	Miller, <i>g</i>	

Leech, <i>g</i>	Swann, <i>a</i>	Vogt,
Luttrell, <i>a</i>		(26)

Modern Prose. DM. (31)

MR. MULFINGER.

Barker, <i>a</i>	Howard,	Sanford,
Bousquet,	Kohlsaat, <i>u</i>	Roberts,
Cutler, <i>g</i>	Latimer,	Roggy,
Dickerson,	Leech, <i>g</i>	Vogt,
Ekman, <i>a</i>	Linn, <i>a</i>	Wittrock,
Ford, <i>a</i>	Oosterbeek,	Wyant, <i>u</i>
Holmes, <i>g</i>	Payne,	

Flint, Nott, <i>a</i>	Jegi, <i>a</i>	(22)
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Scientific Reading. DM. (27)

MR. MULFINGER.

Allison, <i>g</i>	Jegi, <i>a</i>	Roy, <i>g</i>
Cooley,		(4)

XV. THE ENGLISH LANGUAGE, AND LITERATURES, AND RHETORIC.

(Students, 134; course registrations, 211.)

Studies in the Interpretation of Shakespeare.

M. 1st Term. (1 Spec.)

PROFESSOR L. A. SHERMAN.

Barker, <i>a</i>	Giles, <i>g</i>	McMahon,
Beatty, <i>u</i>	Hall,	Miller,
Bigelow, <i>a</i>	Hieronymus, <i>g</i>	Morrissey,
Bishop,	Higgins,	Owen,
Boomer, A., <i>u</i>	Hill,	Peterson, <i>a</i>
Chace, <i>a</i>	Houston, <i>g</i>	Redwood,
Chaney, <i>g</i>	Iddings,	Scarf,
Corson,	Kennedy,	Smith, <i>g</i>
Davis,	Mattice,	Statt, <i>g</i>
Elliott, <i>a</i>	McCalla,	Swann,
Farrar, <i>g</i>	McCray,	Travis,
Gerwig, <i>g</i>		(34)

Themes and Principles of Treatment. M. 1st Term.

(2 Spec.)

PROFESSOR L. A. SHERMAN.

Bigelow, <i>a</i>	Gerwig, <i>g</i>	Pierson, <i>g</i>
Bray, <i>g</i>	Higgins,	Pomerene, <i>g</i>
Brodrique,	Kerlin, <i>g</i>	Richert, <i>g</i>
Caraway, <i>a</i>	McMahon,	Smith, <i>g</i>
Chaney, <i>g</i>	Milliman, <i>g</i>	Statt, <i>g</i>
Farrar, <i>g</i>	Nichols,	
		(17)

The Elements of Literature. DM. (19)

ASSOCIATE PROFESSOR MCCLINTOCK.

Bates,	Frageur,	Miller, L., <i>g</i>
Beatty, <i>u</i>	Gehrig, <i>g</i>	Milliman, <i>g</i>
Beseman,	Grablachoff, <i>d</i>	Nacey,
Bills,	Graham,	Nowland,
Bishop, Wm., <i>a</i>	Haggett,	Pierce,
Boggs, <i>g</i>	Hargrave, <i>g</i>	Roberts,
Boomer, A., <i>u</i>	Hieronymus, <i>g</i>	Roby, C., <i>a</i>
Bridges, <i>g</i>	Hobart,	Roby, Edw.,
Carson,	Kennedy,	Schlosser, <i>d</i>
Chaney, <i>g</i>	Latimer,	Smith, E., <i>g</i>
Clark, T., <i>g</i>	Leech, <i>g</i>	Smith, M., <i>g</i>
Compher, <i>g</i>	Liggett,	Straus,
Finch,	Luttrell, <i>a</i>	Tanaka, <i>u</i>
Elliott, <i>a</i>	MacLean, J., <i>g</i>	Vasholl,
Farrar, <i>g</i>	McMillan, <i>g</i>	Vogt,

Church, <i>d</i>	Linfield, <i>g</i>	Stevenson, <i>g</i>
Gibbs,	McDonald,	Whyte, <i>a</i>
		(51)

English Literary Criticism from 1520 to the Death of Dr. Johnson. DM. (34)

ASSOCIATE PROFESSOR MCCLINTOCK.

Bray, J., <i>g</i>	McDonald, <i>g</i>	Sembower, <i>g</i>
Chaney, <i>g</i>	Parsons, <i>g</i>	Statt, <i>g</i>
Clarke, R., <i>g</i>	Pomerene, <i>g</i>	Stephenson, <i>g</i>
Compher, <i>g</i>	Putnam, <i>g</i>	Weber, <i>g</i>
Hargrave, <i>g</i>	Richert, <i>g</i>	

Whyte, <i>a</i>	Kerlin, <i>g</i>	Bray, <i>g</i>
		(17)

Old English (beginning). DM. (23)

ASSISTANT PROFESSOR BLACKBURN.

<i>Andrews,</i>	<i>Holmes,</i>	<i>Sembower, g</i>
<i>Boggs, g</i>	<i>Jones, J.,</i>	<i>Smith, E., g</i>
<i>Gibbs,</i>	<i>Kohleaat, u</i>	<i>Smith, M., g</i>
<i>Garrigues, g</i>	<i>Morrissey,</i>	<i>Stephenson, g</i>
<i>Hargrave, g</i>	<i>Parsons, g</i>	<i>Wilkinson, E., g</i>
<i>Hieronymus,</i>	<i>Pratt, g</i>	
<i>Richert, g</i>	<i>Wilkinson, F., g</i>	(19)

Middle English. DM. (28)

ASSISTANT PROFESSOR BLACKBURN.

<i>Boggs, g</i>	<i>Woods, a</i>	(2)
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Old English Seminar. DM.

ASSISTANT PROFESSOR BLACKBURN.

<i>Brainard, g</i>	<i>Lewis, E., g</i>	<i>Weber, g</i>
<i>Bray, g</i>	<i>Pratt, g</i>	<i>Woods, a</i>
<i>Kerlin, g</i>		(7)

Rhetoric and Composition. DM. (1)

MR. HERRICK.

<i>Berry,</i>	<i>Gibbs,</i>	<i>King,</i>
<i>Bishop,</i>	<i>Giles,</i>	<i>Linn, a</i>
<i>Bridges, g</i>	<i>Gardner,</i>	<i>McDonald, g</i>
<i>Chandler,</i>	<i>Hall,</i>	<i>Norwood, a</i>
<i>Clark, T., g</i>	<i>Harter,</i>	<i>Rarker,</i>
<i>Cullen, a</i>	<i>Holton,</i>	<i>Redwood,</i>
<i>Dickinson,</i>	<i>Hurlburt,</i>	<i>Rider,</i>
<i>Frutchen, a</i>	<i>Kienale, a</i>	<i>Vogt,</i>
<i>Gehrig, g</i>		(25)

Daily Themes. DM. (7)

MR. HERRICK.

<i>Anderson,</i>	<i>Graham,</i>	<i>Moran, u</i>
<i>Brandt, a</i>	<i>Hoxie, g</i>	<i>Nacey,</i>
<i>Broddique,</i>	<i>Houston, g</i>	<i>Pierce,</i>
<i>Child, g</i>	<i>Luttrell, a</i>	<i>Simpson, a</i>
<i>Clark, T., g</i>	<i>McDonald, g</i>	<i>Straus,</i>
<i>Daniels, L., g</i>	<i>McMahon,</i>	<i>Thornton,</i>
<i>Gehrig,</i>	<i>Milliman, g</i>	<i>Pomerene, g (2d Term)</i>
		(21)

English Literature. MM. 1st Term. (10)

MR. LOVETT.

<i>Anderson,</i>	<i>Gardner,</i>	<i>McDonald, g</i>
<i>Bennett, a</i>	<i>Giles,</i>	<i>McMahon,</i>
<i>Bridges, g</i>	<i>Graham,</i>	<i>Nowland,</i>
<i>Brown, a</i>	<i>Holton,</i>	<i>Redwood,</i>
<i>Brown, Agnes, a</i>	<i>Iddings,</i>	<i>Rider,</i>
<i>Chamberlin, a</i>	<i>King,</i>	<i>Schnelle,</i>
<i>Chandler,</i>	<i>Leech, g</i>	<i>Vasholl,</i>
<i>Frazeus,</i>	<i>McCray,</i>	(23)

English Literature. MM. 2d Term. (10)

MR. LOVETT.

<i>Bates,</i>	<i>Goodman,</i>	<i>Morris,</i>
<i>Calhoun, a</i>	<i>Hales,</i>	<i>Ruthenberg,</i>
<i>Davenport, g</i>	<i>McDonald, g</i>	<i>Thomas, g</i>
<i>Dougherty, a</i>	<i>Moffatt, a</i>	<i>Yundt, a</i>
<i>Flint, N., a</i>		(18)

Special Research in English.

<i>Pomerene, J., g</i>	(1)-
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XVI. BIBLICAL LITERATURE IN ENGLISH.

(Students. 27; course registrations, 37.)

The Book of Psalms. M. 1st Term. (22)

PROFESSOR BURNHAM.

<i>Brownson, d</i>	<i>Mason, d</i>	<i>Proctor, d</i>
<i>Dexter, d</i>	<i>Montague, d</i>	<i>Stevenson, g</i>
<i>Griffith, d</i>	<i>Nesbit, d</i>	<i>Young, d</i>
<i>Hurlburt, a</i>		(10)

The Second Group of the Epistles of the Apostle Paul.

M. 2d Term. (15)

ASSOCIATE PROFESSOR MATTHEWS.

<i>Adams, d</i>	<i>Hatch, d</i>	<i>Smith, g</i>
<i>Church, d</i>	<i>Nesbit, d</i>	<i>Spickler, d</i>
<i>Claypool, d</i>	<i>Roosa, u</i>	<i>West,</i>
<i>Georges, d</i>	<i>Schlosser, d</i>	<i>Wishard,</i>
<i>Gerard, d</i>		(13)

The Gospel of John. M. 1st Term. (B.10)

MR. VOTAW.

<i>Ames, d</i>	<i>Mason, d</i>	<i>Schlosser, d</i>
<i>Breyfogle, u</i>	<i>Montague, d</i>	<i>Thompson, d</i>
<i>Dexter, d</i>	<i>Nesbit, d</i>	<i>West, d</i>
<i>Griffith, d</i>	<i>Phillips, d</i>	<i>Winders, d</i>
<i>Hazelton, d</i>	<i>Pierson, g</i>	(14)

Special Research.

HEAD PROFESSOR BURTON.

<i>Woodruff, d</i>	(1)
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XVII. MATHEMATICS.

(Students, 42; course registrations, 79.)

Theory of Functions of a Complex Variable. DM.

(15)

PROFESSOR MOORE.

<i>Arnold, d</i>	<i>Elder, g</i>	<i>Rothrock, g</i>
<i>Benner, g</i>	<i>Hart, g</i>	<i>Scarborough, g</i>
<i>Blakslee, g</i>	<i>Hull, g</i>	<i>Schottenfels, g</i>
<i>Bosworth, g</i>	<i>Ling, g</i>	<i>Smith, T., g</i>
<i>Cunningham,</i>	<i>McKinney, g</i>	<i>Studley, g</i>
<i>Dickson, g</i>	<i>Morgan, g</i>	<i>Townsend, g</i>
<i>Newsome, g (2d Term)</i>		(19)

Elliptic Functions. DM. (20)

PROFESSOR MOORE.

<i>Froley, g</i>	<i>Hull, g</i>	<i>Ling, g</i>
<i>Skinner, g</i>		(4)

Special Seminar on Functions. $\frac{1}{2}$ M. (22)

PROFESSOR MOORE.

<i>Arnold, g</i>	<i>McKinney, g</i>	<i>Skinner, g</i>
<i>Ling, g</i>	<i>Rothrock, g</i>	(5)

Theory of Numbers. DM. 1st Term. (8)

DR. YOUNG.

<i>Dickson, g</i>	<i>Ling, g</i>	<i>Skinner, g</i>
<i>Hull, g</i>	<i>Scarborough, g</i>	(5)

The Elements of the Theory of Invariants with applications to Higher Plane Curves. DM. (11)

DR. YOUNG.

<i>Benner, g</i>	<i>McKinney, g</i>	<i>Schottenfels, g</i>
<i>Dickson, g</i>	<i>Richardson, g</i>	<i>Smith, T., g</i>
<i>Froley, g</i>	<i>Rothrock, g</i>	<i>Townsend, g</i>
		(9)

College Algebra. MM. (2c)

(Not given.)

MR. SLAUGHT.

Plane Trigonometry. M. 1st Term. (4a)

MR. SLAUGHT.

Hurlburt,	Miller,	Nichols, a	
Lynch,			(4)

Determinants. M. 1st Term. (6b)

MR. SLAUGHT.

Bosworth, g	Miller,	Smith, A. g	
Elder, g	Newton, g	Thompson,	
Hodgman, g	Richardson, g	Yundt, a	(9)

Calculus (beginning). DM. (5b)

MR. HUTCHINSON.

Runyon, g (1)

Analytic Geometry. DM. (4b)

MR. SMITH.

Hodgman, g	Newton, g	Smith, N.,	
McGhee,	Nichols, g	Thompson,	
Neely, g	Richardson,	Yundt, a	(9)

Calculus. DM. (5a)

MR. SMITH.

Bosworth, g	Newton, g	Smith, N.,	
Burns, g	Nichols, g	Thompson,	
Elder, g	Richardson, g	Weaver	
Merrill, g	Runyon, g	Yundt, a	
Neely, g	Smith, A., g		(14)

XVIII. ASTRONOMY.

(Students, 15; course registrations, 19.)

Gauss' Method of Determining Secular Perturbations, with Numerical Application to the Action of Neptune on Uranus. DM. (13)

DR. SEE.

Blakalee, g	Cunningham,	Hart, g	
Studley, g	Froley, g		(5)

Theory of the Figures and Attractions of the Heavenly Bodies. DM. (14)

DR. SEE.

Arnold, g	Cunningham,	Studley, g	(5)
Bosworth, g	Millikan, g		

General Astronomy. DM. (15)

DR. LIVES.

Batt, a	Hobart, a	Votaw, g	
Braam,	Schnelle, a	Windigler,	
Elliot, a			(7)

Determination of Latitude and Longitude, with Practical Work in the Observatory. DM. (16)

DR. LIVES.

McGhee, g	Millikan, g		(3)
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XIX. PHYSICS.

(Students, 65; course registrations, 102.)

Research Course. DMM. (1)

HEAD PROFESSOR MICHELSON.

Foley, g	Millikan, g	(2)
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Special Graduate Course. DMM. (2)

HEAD PROFESSOR MICHELSON.

Berry,	Morgan, g	Smith, A., g	
Chase, M., g	Nichols, E., g	Smith, T., g	
Foley, g	Rice, M., g	Weaver,	
Millikan, g	Scarborough, g		(11)

Graduate Course. DM. (3)

ASSOCIATE PROFESSOR STRATTON.

Barrett, S., g	Stone, g	Welch, g	
Runyon, Wm., g			(4)

Advanced Physics. DM. (4)

ASSOCIATE PROFESSOR STRATTON.

Barrett, S., g	Perrine, g	Smith, A.,	
Chase, M., g	Rice, g	Stone, I., g	
Nichols, E., g	Smith, g	Welch, g	(9)

General Physics. DM. (5)

ASSOCIATE PROFESSOR STRATTON.

Bates, g	Furness, u	Nichols, F. D., a	
Batt, a	Gamble, a	Norwood, a	
Beatty, u	Goodwin,	Raycroft, a	
Bennett, Wm.,	Haggett,	Roby, C., a	
Berry, M.,	Ivy,	Rogers, u	
Campbell, J. T., a	Jegi, a	Rothchild, a	
Conard, a	Jone, u	Seals, g	
Davenport,	Jones, a	Smith, a	
Donagho,	Linn a	Warning,	
Drew, a	McKinley,	Weaver,	
Eyer,	McVehle,	Wiley, a	
Frank, g	Moore, a	Wiseman,	

Dougherty, H., a	Titus,	(38)
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Laboratory Practice. DM. (6)

MR. HOBBS.

Bates, g	Jegi, a	Rothchild, a	
Batt, a	Jones, a	Rounds,	
Bennett,	McKinley,	Ruthenberg,	
Burns, g	McVehle,	Seals, g	
Campbell, J. T., a	Merrill, g	Smith, a	
Conard, a	Moore, a	Stoae, g	
Davenport,	Morgan, g	Warning,	
Donagho,	Nichols, F. D., a	Weaver,	
Gamble, a	Norwood, a	Wiley, a	
Haggett	Owen,	Wilson, Wm. T.,	
Hill,	Raycroft, a	Wiseman,	
Hubbard, H. D., a	Rogers, u		

Fargo, g	Folin, g	Titus,	(36)
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XX. CHEMISTRY.

(Students, 53; course registrations, 79.)

Special Chapters of Organic Chemistry. $\frac{1}{2}$ M.

PROFESSOR NEF.

Dains, <i>g</i>	Hesse, <i>g</i>	McPherson, <i>g</i>	
Folin, <i>g</i>	Jones, <i>g</i>	Mead, <i>g</i>	(8)

Research Work. DMM. (20)

PROFESSOR NEF.

Hesse, <i>g</i>	McPherson, <i>g</i> , (2d Term),	(2)
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Qualitative Analysis. DMM. (4)

ASSISTANT PROFESSOR SCHNEIDER.

Blackmarr, <i>g</i>	Ivy, <i>g</i>	Smith, <i>M.</i>
Driscoll, <i>g</i>	Morse, <i>g</i>	Snodgras, <i>g</i>
Goodwin, <i>g</i>	Van Odel, <i>g</i>	Stewart, <i>g</i>
Hornbeak, <i>g</i>	Owen, <i>g</i>	Wolfe, <i>g</i>
Hughes, <i>g</i>		

Scott, <i>g</i>	Webster, <i>u</i>	(15)
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Quantitative Analysis. DMM. (5)

ASSISTANT PROFESSOR SCHNEIDER.

Dougherty, <i>g</i>	Hunt, <i>g</i>	Russell, <i>g</i>
Hessler, <i>g</i>	Jone, <i>u</i>	Stewart, <i>a</i>
Hughes, <i>g</i>		

Hopkins, <i>g</i>	Hornbeak, <i>g</i>	(9)
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Advanced Inorganic Work. DM. (14)

ASSISTANT PROFESSOR SCHNEIDER.

Merrill, *g* (1)

Research Work. DMM. (20)

DR. STIEGLITZ. (1)

Dains, *g*

General Inorganic Chemistry. DMM. (8)

DR. STIEGLITZ.

Bennett, <i>g</i>	Hogeboom, <i>g</i>	Roy, <i>g</i>
Cook, <i>G.</i>	Hubbard, <i>W.</i>	Seals, <i>g</i>
Cook, <i>K.</i>	Hughes, <i>g</i>	Smith, <i>g</i>
Davenport, <i>g</i>	Ivy, <i>g</i>	Snodgras, <i>g</i>
Driscoll, <i>g</i>	Lipeky, <i>a</i>	Sperans, <i>a</i>
Eyer, <i>g</i>	McVichie, <i>g</i>	Stewart, <i>g</i>
Flint, <i>J., a</i>	McNally, <i>g</i>	Stone, <i>C.</i>
Frank, <i>g</i>	Neel, <i>a</i>	Stone, <i>H., g</i>
Friedman, <i>J. C., a</i>	Parker, <i>g</i>	Warning, <i>g</i>
Gamble, <i>g</i>	Patterson, <i>g</i>	Welch, <i>g</i>
Goodwin, <i>g</i>	Peterson, <i>g</i>	Wolfe, <i>g</i>

Mead, <i>g</i>	Fargo, <i>g</i>	(35)
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Advanced Organic Preparations. DMM. (19b)

DR. STIEGLITZ.

Hesse, <i>g</i>	Jones, <i>g</i>	McPherson, <i>g</i>	(3)
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General Organic Chemistry. DMM. (10)

DR. CURTISS.

Baird, <i>g</i>	Jeffreys, <i>g</i>	Ferrine, <i>g</i>
Hessler, <i>g</i>	McCracken, <i>g</i>	Roy, <i>g</i>

Organic Preparations. DMM. (19)

DR. CURTISS.

Baird, <i>g</i>	Jeffreys, <i>g</i>	Ferrine, <i>g</i>
Bothe, <i>g</i>	McCracken, <i>g</i>	Roy, <i>g</i>
Hogeboom, <i>g</i>		

XXI. GEOLOGY.

(Students, 18; course registrations, 31.)

Special Geology. MM. or M. 1st Term. (21)

PROFESSOR SALISBURY.

Bownocker, <i>g</i>	Neal, <i>g</i>	Perisho, <i>g</i>
Hopkins, <i>g</i>	Nicholson, <i>g</i>	Willard, <i>g</i>
Jones, <i>A., g</i>		

Geographic Geology. M. 1st Term. (26a)

PROFESSOR SALISBURY.

Arnold, <i>a</i>	Hopkins, <i>g</i>	Nicholson, <i>g</i>
Atwood, <i>W. W., a</i>	Jones, <i>g</i>	Patterson, <i>g</i>
Caraway, <i>a</i>	Kellogg, <i>a</i>	Seals, <i>g</i>
Geiger, <i>g</i>	Lyon, <i>g</i>	Willard, <i>g</i>
Hewetson, <i>g</i>	Neal, <i>g</i>	Wolff, <i>a</i>

Field Geology. MM. 2d Term. (26b)

PROFESSOR SALISBURY.

Arnold, <i>a</i>	Hewetson, <i>g</i>	Nicholson, <i>g</i>
Atwood, <i>W. W., a</i>	Lyon, <i>g</i>	Perisho, <i>g</i>
Caraway, <i>a</i>	Neal, <i>g</i>	Wolff, <i>a</i>

XXII. ZOOLOGY.

(Students, 25; course registrations, 25.)

General Biology. DM.

DR. JORDAN.

Bownocker, <i>g</i>	Hardesty, <i>g</i>	Sabin, <i>g</i>
Campbell, <i>C., g</i>	Howarth, <i>g</i>	Sargent, <i>g</i>
Campbell, <i>J. T., a</i>	Lipsky, <i>a</i>	Simpson, <i>a</i>
Cobbs, <i>g</i>	Van Odel, <i>g</i>	Snodgras, <i>g</i>
Corcoran, <i>g</i>	Owen, <i>g</i>	Sperans, <i>a</i>
Dougherty, <i>L. S., g</i>	Perisho, <i>g</i>	Tanaka, <i>u</i>
Flint, <i>a</i>	Ross, <i>g</i>	Thomas, <i>g</i>
Ford, <i>g</i>	Ruthenberg, <i>g</i>	Wilson, <i>g</i>
Greer, <i>g</i>		

XXIII. ANATOMY AND HISTOLOGY.

(Students, 19; course registrations, 26.)

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 1st Term.

(1)

MR. EYLESHYMER.

Blackmarr, <i>g</i>	Howarth, <i>C., g</i>	Simpson, <i>a</i>
Broek, <i>g</i>	Lathrop, <i>g</i>	Snodgras, <i>g</i>
Campbell, <i>g</i>	McCracken, <i>g</i>	Taylor, <i>g</i>
Cobbs, <i>g</i>	Raycroft, <i>a</i>	Thomas, <i>g</i>
Cole, <i>g</i>	Russell, <i>g</i>	Wood, <i>g</i>
Greer, <i>g</i>	Sargent, <i>g</i>	Wooley, <i>a</i>
Hewetson, <i>g</i>		

Elements of Histology. M. 2d Term. (2)

MR. EYLESHYMER.

Howarth, <i>g</i>	Taylor, <i>g</i>	Wood, <i>g</i>
Sargent, <i>g</i>	Thomas, <i>g</i>	Wooley, <i>a</i>
Simpson, <i>a</i>		

XXIV. PHYSIOLOGY.

(Students, 23; course registrations, 28.)

Introductory Physiology. DM. (1)

DR. LINGLE.

Crouse, <i>a</i>	Titus (<i>2d Term</i>),	Merrill, <i>g</i>
Dickerson,	Hardesty, <i>g</i>	Pike, <i>a</i>
Fish, <i>g</i>	Honan,	Sargent, <i>g</i>
Ford, <i>a</i>	Kellogg, <i>a</i>	Speer, <i>a</i>
Greer,	Kohlsaat, <i>u</i> ,	Tregellas

(15)

Physiology of Digestion, Secretion, and Metabolism.

DM. (8)

DR. LINGLE.

Baird,	Merrill, <i>g</i>	Russell, <i>g</i>
Hardesty, <i>g</i>	Mitchell, <i>g</i>	Taylor, <i>g</i>

Fish, *g* (7)

General Physiology of Animals and Plants. DM.

DR. LINGLE.

Merrill, <i>g</i>	Sargent, <i>g</i>
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(2)

XXV. NEUROLOGY.

(Students, 9; course registrations, 16.)

The Development of the Central Nervous System.

DM. (5)

PROFESSOR DONALDSON.

Brace, <i>g</i>	Merrill, <i>g</i>	Taylor, <i>g</i>
Cole, <i>g</i>	Payne,	Wolfe, <i>g</i>
Lathrop, <i>g</i>	Stafford, <i>g</i>	
Fish, <i>g</i> (<i>2d Term</i>)		

(9)

Seminar. DM. (6)

Broek, <i>g</i>	Merrill, <i>g</i>	Taylor, <i>g</i>
Lathrop, <i>g</i>	Stafford, <i>g</i>	Wolfe, <i>g</i>
Fish, <i>g</i> (<i>2d Term</i>)		

(7)

PROFESSOR DONALDSON.

XXVI. PALÆONTOLOGY.

(Students, 2; course registrations, 2.)

Palæontological Field Work. M. 2d Term. (6)

ASSISTANT PROFESSOR BAUR.

Batt, <i>a</i>	Farr, <i>g</i>
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(2)

XXVII. BOTANY.

(Students, 34; course registrations, 34.)

Elementary Practical Botany. DM. (1)

HENRY L. CLARKE.

Alschuler, <i>a</i>	Geiger, <i>g</i>	Pike, <i>a</i>
Andrews,	Haft, <i>a</i>	Plant, <i>a</i>
Atwood, H. F., <i>a</i>	Hill,	Rand, <i>a</i>
Braam,	Hewetson, <i>g</i>	Roos, <i>g</i>
Brandt, <i>a</i>	Mathews, <i>u</i>	Sabin, <i>g</i>
Chace, <i>a</i>	McMahon,	Sass, <i>a</i>
Cook, G.,	Nelson, <i>a</i>	Todd, <i>a</i>
Cook, K.,	Owen, <i>b</i>	Wittrock,
Dudley, <i>a</i>	Parker,	Wooley, <i>a</i>
Eyer,	Peterson,	
Brown, <i>a</i>	Hewitt, <i>a</i>	Winston, <i>a</i>
Dougherty, E., <i>a</i>	Hobart, <i>a</i>	

(34)

THE QUARTERLY REPORT

CONCERNING THE SEVERAL DIVISIONS OF THE UNIVERSITY. SPRING QUARTER, 1894.

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

[The numerals indicate the work of each Instructor reckoned in Double Minors, as taken by students in the several divisions.]

Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total	Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total
Philosophy.	Strong.	2	..	..	..	2	Romance. ³	Knapp.	2	..	..	..	2
	Tufts.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	..	$\frac{1}{2}$		Bergeron.	2	3	3	..	4
	Mezes.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$		Kinne.	1	2	2	..	2
Political Economy.	Laughlin.	2	..	..	..	2		Wallace.	1	1	1	..	2
	Miller, A. C.	2	1	1	..	2	German. ⁴	Poyen.	1	..	..	..	1
	Bemis.	1	..	..	..	1		Schmidt-Wartenberg.	2	$1\frac{1}{2}$	2	..	3
	Caldwell.	2	..	1	..	2		VonKlenze.	3	2	3	..	3
	Hill.	$2\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$	..	$2\frac{1}{2}$		Wood.	1	1	1	..	1
	Veblen.	..	..	..	..	..	English. ^{5,6}	Moulton.	1	1	1	..	1
	Hourwich.	2	..	..	..	2		Blackburn.	2	..	..	..	2
	Lovett.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	..	$\frac{1}{2}$		Crow.	2	..	..	..	2
	Clark.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	..	$\frac{1}{2}$		Tolman.	2	1	1	..	2
Political Science.	Judson.	4	2	1	..	4		Herrick.	1	1	2	..	2
	Conger.	2	2	2	..	2		Lovett.	0	2	2	..	2
History.	von Holst.	2	2	..	..	2	Mathematics. ⁷	Lewis.	0	0	1	1	1
	Terry.	2	1	1	..	2		Triggs.	2	2	2	0	2
	Goodspeed.	3	3	1	2	2		Carpenter.	1	1	1	0	1
	Thatcher.	..	..	1	..	1		Moore.	3	..	..	..	3
	Schwill.	1	1	1	..	2		Maaschke.	2	0	1	..	2
	Shepardson.	1	1	1	..	1		Young.	2	0	1	..	3
	Conger.	..	..	1	..	1		Boyd.	1	1	2	..	3
Sociology and Anthropology.	Small.	3	1	..	1	3		Slaught.	1	1	1	..	1
	Henderson.	2	$\frac{1}{2}$	$\frac{1}{2}$	2	2	Astronomy. ⁸	See.	$2\frac{1}{2}$	1	1	..	$2\frac{1}{2}$
	Talbot.	1	1	1	..	2		Laves.	$2\frac{1}{2}$	..	..	..	$2\frac{1}{2}$
	Starr.	2	1	..	1	3	Physics.	Michelson.	$3\frac{1}{2}$	..	..	..	$3\frac{1}{2}$
Comparative Religion.	Bemis.	1	1	..	..	1		Stratton.	2	1	1	..	2
	Goodspeed.	1	..	..	1	1		Hobbs.	1	1	1	..	1
Semitics.	Harper, W.R.	$2\frac{1}{2}$	1	..	$1\frac{1}{2}$	$2\frac{1}{2}$	Chemistry.	Nef.	2	..	..	..	2
	Hirsch.	2	..	1	$\frac{1}{2}$	$2\frac{1}{2}$		Schneider.	$3\frac{1}{2}$	3	$1\frac{1}{2}$	..	$3\frac{1}{2}$
	Price.	$\frac{1}{2}$	..	..	1	1		Lengfeld.	$2\frac{1}{4}$	1	1	..	$2\frac{1}{4}$
	Harper, R.F.	2	..	..	..	2		Stieglitz.	3	..	..	..	3
	Crandall.	$\frac{1}{2}$	..	..	1	1	Geology and Mineralogy. ⁹	Chamberlin.	3	1	1	..	3
Bibl. & Patr. Greek. ¹	Kent.	$\frac{1}{2}$	$1\frac{1}{2}$	$\frac{1}{2}$	$1\frac{1}{2}$	$1\frac{1}{2}$		Salisbury.	1	..	..	..	1
	Arnolt.	1	..	..	1	1		Iddings.	2	..	..	..	2
Sanskrit.	Votaw.	1	..	..	1	1		Quereau.	3	..	..	..	3
	Buck.	2	..	..	..	2	Zoology. ¹⁰	Whitman.	2	..	..	..	2
Greek. ²	Shorey.	$2\frac{1}{2}$	2	1	..	$2\frac{1}{2}$		Jordan.	3	$3\frac{1}{2}$	$1\frac{1}{2}$	..	$3\frac{1}{2}$
	Tarbell.	2	1	1	..	2	Anatomy.	Watasé.	1	1	..	..	1
	Castle.	2	2	2	..	2		Eycleshymer.	1	..	..	..	1
Latin.	Hale, W. G.	1	..	..	..	1	Physiology.	Loeb.	4	1	..	..	4
	Abbott.	2	2	..	..	2		Lingle.	1	..	1	..	1
	Chandler.	1	1	2	..	2	Neurology.	Donaldson.	2	..	..	..	2
	Miller, F. J.	2	..	2	..	2		Palæontology.	Baur.	1	..	..	1
	Emery.	..	..	2	..	2	Elocution.	Clark.	..	..	1	..	1

*Mr. Clark taught, besides, 6 sections, for which credit is given.

ON LEAVE OF ABSENCE.—1. Head Professor Burton. 2. Assistant Professor Capps. 3. Mr. Howland. 4. Associate Professor Cutting. 5. 6. Professor Wilkinson and Associate Professor McClintock. 7. Professor Bolza and Mr. Hancock. 8. Associate Professor Hale. 9. Associate Professor Penrose and Mr. Merriam. 10. Mr. Wheeler.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Department.	Grad. School.		Univ. Colleges.		Acad. Colleges.		Unclassified		Divinity Students.	Total.	
	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.		DM.	Students.
Philosophy, A and B	3	20	2	6	2	7	4	6	2	4	41
Political Economy	11	28	3	4	4	5	3	3	0	12	40
Political Science	6	24	3	9	2	40	3	7	0	5	134
History	9	43	8	20	6	91	10	21	12	11	187
Sociology and Anthropology	9	27	4½	10	1½	20	1	2	25	10	84
Comparative Religion	1	1	0	0	0	0	1	1	5	1	7
Semitic Languages	7½	11	2½	4	1½	2	3	5	74	11½	96
Biblical and Patristic Greek	2	2							8	2	10
Sanskrit and Indo-Europ. Phil.	2	7								2	7
Greek	6½	34	5	5	4	29	1	1		6½	69
Latin	6	28	3	3	6	52	6	7		9	90
Romance	8	12	7	13	7	54	5	15		12	94
Germanic	7	19	4½	12	6	57	4	16		8	104
English	12	35	9	28	10	191	12	45	1	16	300
Biblical Literature in English											
Mathematics	9	15	2	3	6	83	4	7		10	118
Astronomy	5	8	1	1	1	1				6	10
Physics	6	14	2	3	2	39	2	10		7	66
Chemistry	16½	15	2½	5	2½	13	3½	3		11½	36
Geology and Minerology	9	21	1	1	1	1				7	23
Zoology	6	11	4½	4	1½	4				6½	19
Anatomy	1	3					1	3		1	6
Physiology	5	11	1	1	2	6	1	1		5	13
Neurology	2	13								2	13
Palaeontology	3	4								3	4
Elocution					1	57	1	7		½	64

THE FACULTY OF THE DIVINITY SCHOOL.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

Department.	Instructor.	Courses.	Department.	Instructor.	Courses.
THE GRADUATE DIVINITY SCHOOL.			THE ENGLISH THEOLOGICAL SEMINARY.		
Old Testament Literature and Interpretation.	Harper, W. R.	2½	New Testament Literature and Interpretation.	Woodruff.	½
	Hirsch.	2½	Church History.	Hulbert.	..
	Price.	1		Northrup.	..
	Kent.	1½	Systematic Theology.	Simpson.	½
	Harper, R. F.	3	Homiletics, Church Polity, and Past. Duties.	Anderson.	..
New Testament Literature and Interpretation.	Crandall.	1		Johnson.	½
	Arnolt.	1	THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.		
Biblical Theology.	Votaw.	1	Old and New Test. Lit. and Interpretation.	Gunderson.	1
			Systematic Theology.†	Wold.	..
Church History.	Hulbert.	..	THE SWEDISH THEOLOGICAL SEMINARY.		
Systematic Theology.	Johnson.	½	New Test. Interpretation.	Morten.	½
	Northrup.	1½	System. Theology and Pastoral Duties.	Lagergren.	1
Homiletics, Church Polity, and Pastoral Duties.	Simpson.	½			
	Anderson.	1	Church History.	Sandell.	½
	Johnson.				

† Professor Jensen on leave of absence.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Departments.	Graduate Divinity School.		English Theological Seminary.		Dan-Norwegian Theological Seminary.		Swedish Theological Seminary.	
	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.
Old Test. Lit. and Interpretation	11½	92	..	..	..	..	..	..
New Test. Lit. and Interpretation	2	10	½	26	1	4	½	13
Biblical Theology.....	..	..	..	..	..	..	..	..
Church History.....	½	28	..	..	..	..	½	13
Systematic Theology.....	2	58	½	13	..	4	½	8
Homiletics, Church Polity, and Pastoral Duties.....	1	16	½	14	..	..	½	4

COMPARATIVE REGISTRATION OF SPRING AND SUMMER QUARTERS.

	Registration of Spring Quarter.			Discontinuing at Beg. of Sum. Quarter.		Receiving Degrees or Certif. July 2, 1894.		Entering at Beg. of Summer Quarter.		Registration of Summer Quarter.		
	Men.	Wom.	Total.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Total.
Graduate School	172	66	238	119	52	13	..	114	49	157	66	223
Non-Res. Grad. Students.....	19	4	23	1	1	..	..	..	2	18	4	22
University Colleges.....	42	31	73	29	28	13	8	12	6	28	10	38
Academic Colleges.....	138	82	220	20	5	7	13	19	5	66	17	83
Unclassified	26	53	79	14	43	..	..	59	92	69	103	171
Grad. Div. School.....	86	1	87	76	..	8	..	28	..	42	1	43
Engl. Theol. Sem	21	3	24	17	2	7	..	11	1	15	2	17
Dan-Norw. Theol. Sem.....	4	..	4	4	..	3	..	..	..	..	..	..
Swedish Theol. Sem.....	13	..	13	13	..	3	..	..	..	..	..	..

Total attendance, Spring Quarter, 1894..... 755

Registration for Summer Quarter, 1894..... 597

**INSTITUTIONS FROM WHICH STUDENTS HAVE COME
WITH NUMBER IN EACH CASE.**

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.
Acadia University.....	3	3	..	Hamilton College.....	2	1	..	Northwestern University.....	8	..	5
Adrian College.....	1	..	..	Hanover College.....	1	..	..	Notre Dame, University of.....	..	..	1
Albion College.....	5	..	..	Hartsville College.....	1	..	..	Oberlin College.....	10	1	1
Alfred University.....	1	1	..	Harvard University.....	15	..	..	Ohio Institute for Blind.....	..	1	..
Alleghany College.....	1	..	..	Haverford College.....	..	1	..	Ohio Normal University.....	..	1	..
Allen's Academy.....	..	..	1	Hobbsburg College.....	1	..	..	Ohio State University.....	2	..	..
Amherst College.....	1	1	..	Hobson Academy.....	..	1	..	Ohio Wesleyan University.....	1	..	1
Angustana College.....	1	..	..	Hoidelburg College.....	..	1	..	Omaha, University of.....	1	..	..
Baldwin University.....	1	..	..	Hillsdale College.....	1	..	..	Oromiah College.....	..	1	..
Baptist Union Theol. Sem....	1	2	..	Hope College.....	1	..	..	(Persia).....	..	..	..
Bates College.....	1	2	..	Hulme Cliff College (Sheffield Eng.).....	..	..	2	Oshkosh High School.....	..	..	1
Beloit College.....	5	0	3	Illinois College.....	1	..	..	Oskaloosa College.....	1	..	..
Beloit Academy.....	..	1	..	Illinois Normal University.....	1	..	..	Ottawa University.....	1	6	..
Berea College.....	1	..	..	Illinois, University of.....	1	..	..	Otterbein University.....	1	..	..
Berlin, University of.....	2	..	..	Indiana State Normal School.....	..	1	..	Oxford University.....	2	..	..
Bethany College.....	..	..	1	Indiana, University of.....	6	..	..	Parsons College.....	1	..	..
Bethel College.....	1	..	..	Indiana, Military School of.....	..	..	2	Penn College.....	..	..	1
Bible Institute.....	..	1	..	Ingham College.....	2	..	..	Pennsylvania, University of.....	1	1	..
Borden Institute.....	..	1	..	Iowa College.....	2	2	..	Pillsbury Academy.....	..	1	..
Boston, University of.....	1	..	..	Iowa, State University of.....	1	..	..	Plattsburg High School.....	..	..	1
Bowdoin College.....	3	..	..	Jacksonville High School.....	..	1	..	Princeton College.....	1	2	..
Brown University.....	4	3	..	Johns Hopkins University.....	1	..	..	Purdue University.....	1	..	..
Bryn Mawr College.....	1	..	..	Kalamazoo College.....	..	..	2	Rawlitch, Real Gymnasium.....	..	..	1
Bucknell University.....	2	4	2	Kansas, University of.....	1	..	..	Rochester, University of.....	2	3	3
Bushnell University.....	1	..	1	Kentucky College.....	..	..	1	Rutgers College.....	1	..	..
Butler University.....	..	..	1	Kentucky Coll. of Liberal Arts.....	1	1	..	Sioux Falls University.....	..	..	1
California College.....	..	2	..	Knox College.....	1	..	..	Smith College.....	4	..	2
California, University of.....	4	1	..	Lafayette College.....	1	..	..	Stevens Institute of Tech.....	1	..	..
Cambridge University.....	1	..	..	Lake Erie Seminary.....	..	..	1	Stockholm Bapt. Theol. Sem. (Sweden).....	1	..	..
Carleton College.....	..	2	..	Lake Forest University.....	1	..	..	Syracuse University.....	4	..	..
Cedar Valley Seminary.....	..	1	..	Lake High School.....	..	..	1	Toronto, University of.....	4	1	..
Central College.....	1	..	..	Lawrence University.....	2	..	..	Trinity College.....	1	1	..
Central Wesleyan College.....	1	..	1	La Grange College.....	..	3	..	Union Christian College.....	1	..	..
Chicago High School (S. Div.).....	1	..	..	Leland Stanford, Jr., Univ.....	1	..	..	Union College.....	..	..	1
Chicago, Old University of.....	10	..	..	Lombard University.....	1	..	..	Union Theol. Seminary.....	..	1	..
Chicago, The University of.....	1	..	..	Manitoba, University of.....	1	1	..	Upper Iowa University.....	1	..	..
Cincinnati, University of.....	2	..	..	Marietta College.....	1	..	..	Vanderbilt University.....	1	..	..
Clinton College.....	4	1	1	Marion Simms Coll. of Med.....	..	1	..	Vassar College.....	7	..	2
Colby University.....	2	3	..	Massachusetts Agric. Coll.....	..	1	..	Vienna, University of.....	1	..	..
Colgate College.....	..	4	..	Massachusetts Inst. of Tech.....	..	1	..	(Austria).....	..	..	..
Colgate University.....	..	1	1	Michigan State Nor. School.....	16	1	8	Victoria University.....	1	..	..
Colorado, University of.....	2	..	..	Michigan, University of.....	1	..	..	Wabash University.....	1	..	..
Columbia College.....	1	..	..	Middlebury College.....	1	..	..	Wake Forest College.....	2	..	..
Columbia University.....	..	1	..	Millersville Normal School.....	1	1	..	Washington and Lee Univ.....	1	..	..
Concordia College.....	1	..	1	Milton College.....	1	..	..	Wellesley College.....	8	..	4
Cornell College (Iowa).....	1	..	1	Minak Gymnasium (Russia).....	8	..	1	Wesleyan University.....	5	..	..
Cornell University.....	6	..	2	Minnesota, University of.....	..	..	..	Western College.....	..	2	..
Crozer Theol. Seminary.....	1	..	2	Mississippi, Industrial Insti- tute and College of.....	1	..	1	(Toledo, Iowa).....	2	..	..
Dalhousie College.....	1	1	..	Missouri, University of.....	3	..	1	Western Maryland College.....	2	..	..
Dartmouth College.....	2	..	..	Monmouth College.....	..	1	..	Western Reserve University.....	1	..	1
Daughters College.....	1	..	..	Moody's Bible Institute.....	..	1	..	West Virginia, University of.....	1	1	..
Denison University.....	6	6	..	Morgan Park Swedish Acad.....	2	8	..	Wheaton College.....	..	3	1
De Pauw University.....	4	..	..	Mt. Allison College.....	1	..	..	William Jewell College.....	1	..	..
Des Moines College.....	..	3	..	Mt. Holyoke College.....	1	..	1	Williams College.....	1	..	..
Doane College.....	1	..	..	Mt. St. Mary's College.....	1	..	..	Wilmington College.....	1	..	..
Drake University.....	1	1	..	Muskingum College.....	1	..	..	Wisconsin, University of.....	5	..	2
Drake Divinity School.....	..	1	..	Nashville, University of.....	2	..	..	Woodstock College.....	1	1	..
Drury College.....	1	1	..	Nebraska, University of.....	3	1	..	(Ontario).....	..	..	..
Earlham College.....	3	..	..	New Hampton Biblical and Literary Institute.....	..	1	..	Wooster, University of.....	..	..	3
East London Institute.....	..	1	..	Newton Theol. Seminary.....	1	1	..	Yale University.....	7	2	..
Emporia College.....	1	..	..	New York, Univ. of the City of.....	4	..	..	Zürich University.....	1	..	..
Eureka College.....	1	..	..	North Dakota, University of.....	1	..	..		
Fisk University.....	1	..	..	North West College.....	1	..	..		
France, University of.....	1	..	..						
Franklin College.....	..	4	..								
Freiburg, Univ. of.....	1	..	..						
(Baden).....	1	..	..						
Furman University.....	1	1	..								

2. ACADEMIC COLLEGES AND UNCLASSIFIED STUDENTS.

	Academic Colleges.	Unclas. Students.		Academic Colleges.	Unclas. Students.		Academic Colleges.	Unclas. Students.
Adelphi Academy.....	1	1	Hedding College.....	1	1	Packer Institute (Brooklyn, N.Y.)	1	1
Albion School.....	1	1	Henderson High School.....	1	1	Peddie Institute, N. J.....	1	1
Alma College.....	1	1	Herrig (Miss) School.....	1	1	Parr Preparatory School.....	1	1
Aurora School.....	1	1	Higbee (Miss) Academy.....	1	1	Peoria High School.....	1	1
Baltimore Female High School.....	1	1	Hope College.....	1	1	Pennington Seminary (N. J.).....	1	1
Beloit College, Preparatory.....	2	1	Howard University.....	1	1	Phillips Academy (Andover).....	1	1
Bachtel College.....	1	1	Hyde Park High School.....	9	2	Phillips Exeter Academy.....	1	1
Buena Vista College.....	1	1	Illinois State Normal School.....	1	1	Plainfield High School.....	1	1
Buffalo Normal School.....	1	1	Illinois, University of.....	11	1	Plano High School.....	1	1
Burr & Burton Seminary.....	1	1	Illinois Wesleyan University.....	2	2	Pontiac High School.....	1	2
Butler University.....	1	1	Iowa College Academy.....	1	1	Porter (Miss) School.....	1	1
California College.....	1	1	Iowa State Normal School.....	2	2	Potdam State Normal School.....	1	1
Cambridge English High School.....	1	1	Iowa, University of.....	1	1	Princeton High School.....	1	1
Campbell University.....	2	1	Jamestown High School.....	1	1	Proseminary (Elmhurst).....	1	1
Carleton College.....	2	1	Jennings Seminary.....	1	1	Racine Academy.....	1	1
Cedar Rapids (Iowa) High School.....	1	1	Kenyon Military Academy.....	1	1	Rochester, University of.....	1	1
Cedar Valley Seminary.....	1	1	Kirkland School, Chicago.....	2	2	Rockford Seminary.....	1	2
Chauncey Hall School.....	1	1	Lake Forest Academy.....	11	1	St. Catherine's Hall.....	1	1
Chautauqua Coll. of Lib. Arts.....	5	1	Lake Forest College.....	1	1	St. Joseph High School.....	1	1
Chicago Academy.....	9	1	Lake High School.....	2	1	St. Lawrence University (N.Y.).....	1	1
Chicago High School West Div.....	6	1	Landshut (Germany).....	1	1	St. Louis High School.....	1	1
Chicago High School North Div.....	1	1	Real Gymnasium.....	1	1	St. Mary's Academy.....	1	1
Chicago High School South Div.....	13	1	Lawrenceville.....	1	1	St. Paul's High School.....	1	1
Chicago Institute of Technology.....	1	1	Leroy Union School.....	1	1	Saratoga High School.....	1	1
Chicago Manual Training School.....	1	1	Lupton (Miss) School.....	1	1	Sank Centre High School.....	1	1
Christian University.....	1	1	Lyons High School.....	1	1	Sidney High School.....	1	1
Cincinnati, University of.....	1	1	MacDonald Ellis School.....	1	1	Simpeon College.....	1	1
Cincinnati High School.....	1	1	Maine Wesleyan College.....	1	1	Smith College.....	2	1
Coe College.....	1	1	Meriden High School.....	1	1	South Dakota, University of.....	1	1
Colby Academy (N. H.).....	1	1	Michigan, University of.....	2	1	South Kansas Academy.....	1	1
Columbian College.....	1	1	Millersburg Female Seminary.....	1	1	South Side School (Chicago).....	24	1
Cook Academy.....	1	1	Missouri State Normal School.....	1	1	Springfield High School.....	1	1
Cook County Normal School.....	2	1	Missouri Valley College.....	2	1	Stillport Girls' Seminary.....	1	1
Cornell College.....	1	1	Monmouth College.....	1	1	Taganrog Gymnasium (Russia).....	1	1
Cornell University.....	1	1	Morgan Park Academy.....	31	2	Terrill College.....	1	1
Decatur High School.....	1	1	Morgantown High School.....	1	1	Tillotson Institute (Austin).....	1	1
Drury College.....	1	1	Mt. Hermon School.....	1	1	Temple College (Philadelphia).....	1	1
Elgin High School.....	1	1	(Northfield Mass.).....	1	1	University School (Chicago).....	1	1
Emporia (Kansas), College of.....	1	1	Mt. Holyoke College.....	2	1	Vassar College.....	1	2
Englewood High School.....	4	1	Mt. Holyoke Seminary.....	1	1	Visitation Academy.....	1	1
Evansville Classical School.....	1	1	Mt. Morris College.....	1	1	Washburn College.....	1	1
Evanston High School.....	2	1	Nebraska State Normal School.....	1	1	(Topeka, Kansas).....	1	1
Ferry Hall (Lake Forest).....	4	1	New York, College of the City of.....	2	1	Wayland Academy.....	1	1
France & Sarbonne, (College of).....	1	1	New York State Normal School.....	1	1	Wellesley College.....	2	1
Gannett Institute.....	1	1	Northwestern University.....	4	2	Wells College.....	1	1
Genesee Wesleyan Seminary.....	1	1	Notre Dame, University of.....	2	1	Western Normal College.....	1	1
Genesee Collegiate Institute.....	1	1	Oakland High School.....	1	1	Wheaton Seminary.....	1	1
Girl's Classical Sch., Indianapolis.....	1	1	Oberlin College.....	1	1	Williamette University.....	1	1
Hannibal High School.....	1	1	Ohio Wesleyan College.....	1	1	Williams College.....	2	1
Hanover College.....	1	1	Omaha (Iowa) High School.....	2	1	Williamsport High School.....	1	1
Harvard School.....	5	1	Oneida High School.....	1	1	Woodstock College.....	1	1
			Oswego Normal & Training Sch.....	1	1	Worcester Academy.....	1	1

STATES AND COUNTRIES

FROM WHICH THE STUDENTS HAVE COME.

States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.	States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
Alabama	1	..	..	..	..	1	South Carolina.....	2	..	..	..	1	3
Arkansas .....	..	..	..	1	..	1	South Dakota.....	1	1	..	1	..	3
California	3	1	..	2	2	8	Tennessee.....	2	..	2	..	..	5
Colorado	1	2	1	..	1	5	Texas.....	1	..	..	1	..	2
Connecticut	2	..	1	..	1	4	Vermont.....	..	..	..	1	..	1
Florida .....	..	..	1	..	..	1	Virginia.....	..	..	..	..	1	1
Illinois .....	..	36	154	44	41	275	Washington .....	..	..	..	1	2	3
Indiana.....	14	..	6	1	5	26	West Virginia.....	3	..	..	..	2	5
Iowa	10	3	9	3	8	33	Wisconsin	11	5	5	2	..	23
Kansas	6	3	4	..	4	17	District of Columbia..	1	..	..	..	..	1
Kentucky.....	2	..	2	..	1	5	Countries.						
Maine	6	1	..	..	2	9	Austria	1	..	..	..	..	1
Maryland.....	2	..	..	..	..	2	Canada	11	..	1	..	7	18
Massachusetts	10	..	1	3	3	17	Denmark .....	..	..	..	..	1	1
Michigan	10	3	..	2	2	17	England	4	..	..	..	1	5
Minnesota	10	2	3	2	4	21	Germany	3	..	1	..	..	4
Mississippi.....	1	..	..	..	..	1	Persia.....	..	..	..	..	1	1
Missouri.....	6	3	3	3	5	20	Rumania .....	..	..	..	..	1	1
Montana .....	..	..	1	..	..	1	Russia.....	..	..	1	..	..	1
Nebraska	6	..	2	2	3	13	Sweden .....	..	..	..	..	1	1
New Hampshire.....	..	..	..	..	1	1	Trinidad, B. W. I.....	..	..	..	..	..	..
New Jersey.....	4	..	3	1	..	8	Total.....	181	73	220	78	116	
New Mexico.....	..	..	1	..	..	1							
New York.....	14	6	9	5	7	41							
North Carolina.....	6	..	..	..	..	6							
North Dakota.....	1	2	..	..	..	3							
Ohio	15	3	6	1	1	26							
Oregon	1	..	1	..	3	5							
Pennsylvania	10	2	3	1	4	20							
Rhode Island	1	..	..	..	1	2							

ADDITIONAL REMARKS.

THE GRADUATE SCHOOL.

The Fellowships of the Graduate School were distributed as follows:

Senior Fellowships	-	-	-	-	-	13
Junior Fellowships	-	-	-	-	-	23
Honorary Fellowships	-	-	-	-	-	28
Special Fellowships	-	-	-	-	-	8
Persons holding Fellowship the first year	-	-	-	-	-	50

Persons holding Fellowship the second year - 21

Residents of Southern States	-	-	-	-	1
Residents of Eastern States	-	-	-	-	9
Residents of Middle States	-	-	-	-	14
Residents of Western States	-	-	-	-	32
Residents of Foreign Countries	-	-	-	-	5

THE COLLEGES.

Of the 220 students in the Academic Colleges, 96 were in the College of Arts, 84 in the College of Literature, 40 in the College of Science.

Of the 73 students in the University Colleges, 39 were in the College of Arts, 22 in the College of Literature, 12 in the College of Science.

Of the 220 students in the Academic Colleges, 35 were residents of the University Houses.

Of the 73 students in the University Colleges, 22 were residents of University Houses.

356 students presented themselves at the examinations for admission held in June. Of these, 155 pre-

sented themselves at the University, 95 at the Morgan Park Academy, 51 at the Chicago Academy, 16 at the Harvard School, 10 at the Kenwood Institute, 10 at La Grange, Ill., 10 at Aurora, Ill. Of these, 42 were admitted to the Academic Colleges.

It is to be observed, however, that only a minority of those examined in any given quarter are taking final examinations. Applicants generally take their examinations at two or more dates. This will explain the apparent disproportion between the whole number examined and the number admitted.

THE UNCLASSIFIED STUDENTS.

Number of Academic College courses taken by Unclassified Students, 39; number of University College and Graduate courses, 38.

Course registrations of Unclassified Students in the Academic Colleges, 149; in the University Colleges, and the Graduate School, 85. Total, 234.

Of 79 students 21 were residents of the University Houses.

General purpose of Unclassified Students. About 30 per cent. are working into regular standing in the

University; 50 per cent. are studying for advancement in teaching and in semi-professional employments. The remainder are studying for a general education.

The Unclassified Students have, in a majority of cases, come from other institutions. They represent: 19 colleges and universities; 23 academies and seminaries; 11 high schools; 7 normal schools. In all 60 institutions are represented.

Physical Culture and Athletics.

THE GYMNASIUM.

MEN'S DEPARTMENT.

Five classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate and Divinity Schools, 17; University Colleges, 28; Academic Colleges, 146; number practicing base-ball, foot-ball, and track athletics, 60. Total, 251.

WOMEN'S DEPARTMENT.

Four classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate School and Specials, 14; University Colleges, 23; Academic Colleges, 82. Total, 119.

ATHLETICS.

BASE BALL.

The University Base-Ball nine was composed of the following players:

Pike, c.
Nichols, p. (Captain).
Abells, 1b.
Adkinson, 2b.
Brown, 3b.
Webster, ss.
Grant, lf.
Hering, cf.
Gale, rf.

The nine has practiced daily under the direction of Captain Nichols. Appended are the scores of the games played:

April 14.	University vs. Evanston H. S.	16-12
April 22.	" " Rush Med. School	14-11
April 24.	" " Y. M. C. A.	14-6
April 26.	" " Englewood	11-9
April 28.	" " Rush Med. School	1-16
May 2.	" " Commercials	8-5
May 5.	" " University of Wis.	16-6
May 7.	" " Armour Institute	14-4
May 9.	" " Northwestern Uni.	2-3 (12 innings)
May 11.	" " University of Illinois	9-10
May 18.	" " " "	17-13 (protested)
May 23.	" " Northwestern Uni.	4-6 (10 innings)
May 24.	" " Commercials	14-2
May 26.	" " Iowa College	10-4
May 30.	" " University of Mich.	2-3 (10 innings)
June 2.	" " Englewood	18-15
June 7.	" " Chicago Athlet. Assn.	24-19
June 13.	" " University of Minn.	4-2
June 14.	" " Northwestern Uni.	1-8
June 16.	" " University of Wis.	2-12
June 21.	" " South Park	13-3
June 22.	" " St. Ignatius College	20-1

TRACK ATHLETICS.

Interest in track and field athletics increased with the transferring of the work from the gymnasium to the athletic field during the Spring Quarter.

A triangular contest was held May 25, between Northwestern, Lake Forest, and the University of

Chicago, which was won by our University team. The following was the score:

University of Chicago	72
Northwestern University	45
Lake Forest University	36

On June 2, the University team won fourth place in the first Western Intercollegiate Track and Field contest, eleven colleges competing. Church won the broad jump, covering 21 feet, and Ewing took first place in the pole vault, clearing the bar at 10 feet.

The names of those who composed the first track and field athletic team of the University are as follows:

Capt. Holloway.	Peabody,
Wyant,	Pynkowski,
Rand,	Bachelle,
Church,	Sherman,
Ewing,	Barnes,
Sass,	Sincere,
Davis,	Wolfe,
Lamay,	Neff,
Keen,	Steigmeyer,
Bliss,	Mandell.

TENNIS.

The University was successful in both singles and doubles in the first Western Intercollegiate Tennis Tournament, which was held on our grounds June 13-14, between the University of Wisconsin, Lake Forest University, Northwestern University, and the University of Chicago.

Carr Neel won the finals in singles from Allen, of Wisconsin, the score being 6-1, 6-0, 6-1.

Rand and Bond won the finals in doubles from Allen and McMynn, of Wisconsin, the score being 6-4, 6-3, 6-2.

The Official and Semi-Official Organizations.

THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

SPRING MEETING, MAY 11, 1894.

Theatre, Kent Chemical Laboratory.

PAPERS:

The Present Condition of Sociological Thought in the United States.

I. W. HOWERTH.

(Sociological Club).

The Home of the Indo-Europeans.

JESSIE L. JONES.

(Germanic Club).

The Building of a Tragedy.

FLORENCE WILKINSON.

(English Club).

THE PHILOLOGICAL SOCIETY.

Organized January 15, 1893, held two public meetings on June 1 and 8, 1894, at 8 P.M., Room B 8, Cobb Lecture Hall. The following paper was read:

Account of the Ordinary Constructions of the Modes and Tenses in the Semitic Languages, using the commonly recognized constructions of Greek and Latin as points of departure.

PRESIDENT WILLIAM R. HARPER.

THE DEPARTMENTAL CLUBS.

APRIL-JUNE.

Papers presented before

THE CHEMICAL CLUB.

Anthracene and Alizarine.

DR. MASSUO IKUTA.

Liebig and Wohler on the Benzoyl Radical.

O. K. O. FOLIN. April 20.

On Artificial Perfumes.

GUSTAV THURNAUER.

Kekulé on Benzol.

S. E. SWARTZ. April 27.

On the Mobility of Ions.

B. C. HESSE.

The Electrolysis of Salts of Organic Acids.

L. W. JONES. May 18.

THE CHURCH HISTORY CLUB.

Early Biblical Populations..

ASSOCIATE PROFESSOR FRANKLIN JOHNSON. April 17.

THE CLASSICAL CLUB.

The Deipnosophists of Athenæus.

W. C. FRANCE.

The Recent Performance of the Phormio at Harvard College.

HEAD PROFESSOR W. G. HALE. May 25.

The Hippolytus of Seneca and Euripides, and the Phèdre of Racine.

E. L. GILBERT.

The Fire in Rome under Nero.

VERNON J. EMERY. June 15.

THE ENGLISH CLUB.

The Literature of the Virginias.

H. N. OGDEN.

Studies in Milton's Poetic Style.

N. J. CARPENTER. April 17.

The Poetry of George Meredith.

ASSISTANT PROFESSOR M. F. CROW. May 15.

Literary Criticism in the English Drama.

F. C. CARPENTER. June 12.

THE GEOLOGICAL CLUB.

Microscopic Structure of Limestone; H. C. Sorby. Review by

T. C. HOPKINS.

Vertebrate Palæontology at the World's Fair; John Eyerman. Review by

DR. O. P. HAY.

- Geological Position of Bennetites Dacotensis*; Samuel Calvin. Review by
C. H. GORDON. Mar. 20.
- Coarse-grained Variolitic Structure in Rocks*; Dr. von Chrustschoff. Review by
PROFESSOR J. P. IDDIGS.
Geological Survey of Great Britain. Review by
J. A. BOWROCKER. April 17.
- Archeopteryx and our present Knowledge of the Relations of Birds*.
ASSISTANT PROFESSOR G. BAUR.
Classification of Economic Geological Deposits based on Origin and Original Structure; W. O. Crosby. Review by
T. C. HOPKINS.
Pre-Palæozoic Decay of Crystalline Rocks North of Lake Huron; Robert Bell. Review by
C. H. GORDON. May 1.
- Lecture on *Cosmology*. Before the Geological Club and members of the University.
DR. T. J. J. SEE. May 17.
- A Sea Turtle*.
DR. O. P. HAY.
Drainage of Fox River Valley. IRA BUELL. May 29.
- A Fossil Snake from the Löss*. W. E. TAYLOR. June 12.
- Structure of Europe*. DR. E. C. QUEREAU.
Lake Beaches of Wisconsin. Review by
D. E. WILLARD. June 19
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- THE GERMANIC CLUB.**
- Critical Investigation of the Life and Work of Ulflas*.
G. A. MULFINGER.
Noun-Inflection in Germanic (V).
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. April 9.
- The Syntax of the Adjective in Middle High German*.
JESSIE L. JONES.
Noun-Inflection in Germanic (VI).
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. April 16.
- Review of Gustav Wustmann's "Allerhand Sprachdummheiten" (Leipzig, 1892)*.
P. O. KERN.
Noun-Inflection in Germanic (VII).
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. April 23.
- Review of Koch's "Geschichte der deutschen Litterature" (1893)*.
DR. CAMILLO VON KLENZE.
Noun-Inflection in Germanic (conclusion).
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. April 30.
- Report on Zeitschrift für deutsche Philologie (1893, Nos. 2, 3, and 4)*.
F. A. WOOD.
On German and French Slang.
P. O. KERN. May 7.
- Remarks on Günther's Poems*.
DR. CAMILLO VON KLENZE.
The Origin of the Closed i in Germanic: Review of recent theories.
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. May 14.
- The Development of the Werther*.
G. A. MULFINGER. May 21.
- The Dialect of the Hildebrandslied*.
F. A. WOOD. May 28.
- The Influence of Popular Poetry on Goethe's Lyric up to 1800*.
MARIE WOLLPERT.
The Dialect of the Wessobrunner Gebet.
JESSIE L. JONES.
The Influence of the Volkslied on Goethe's Lyrics.
MARIE WOLPERT.
The Dialect of the Muspilli.
P. O. KERN. June 4.
- The Historical Development of the Faust*.
G. A. MULFINGER.
The Courts and the Nobility in Germany during the Eighteenth Century.
WM. RULLKOETTER. June 11.
- Some of Goethe's Poems Relative to the Weimar Circle*.
DR. CAMILLO VON KLENZE.
The Question of a Middle High German Schriftsprache.
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. June 18.
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- THE LATIN CLUB.**
- Seneca's Tragedy of Medea*.
ASSISTANT PROFESSOR F. J. MILLER. May 4.
-
- THE MATHEMATICAL CLUB.**
- Gauss' Method of Determining Secular Perturbations with an Application to the Action of Neptune on Uranus*.
DR. T. J. J. SEE.

A New Transcendentally Transcendental Function.
 PROFESSOR E. H. MOORE. April 6.
 (Abstract in Calendar 9. p. 98).

Kronecker's Evolution of Gauss' Sum.
 W. B. HUFF.
Review of Bachmann's "Die Elemente der Zahlen Theorie" (Leipzig, 1882).

DR. J. W. A. YOUNG. April 20.
Concerning the Theory of Determinants of Infinite Order. (Published in full in Bulletin of the New York Mathematical Society, vol. iii, 215-222.)

DR. J. H. BOYD. May 4.
Concerning the Theory of Determinants of Infinite Order.

PROFESSOR E. H. MOORE. May 18.
Cayley's Original Memoir on Matrices. (Published in the *Phil. Trans.* of the Royal Society of London, 1858).

FRANCES HARDCASTLE. June 1.
Concerning Groups of Linear Ternary Substitutions.
 ASSISTANT PROFESSOR H. MASCHKE. June 15.

THE NEW TESTAMENT CLUB.

The Galatia of the Acts.
 C. W. VOTAW. June 7.
 (Printed in full in the BIBLICAL WORLD, Vol. iv., pp. 456-62).
 In addition, this club held a Journal meeting April 18.

THE PALÆONTOLOGICAL CLUB.

Paper by Bashford Dean on Cladosclache.
 Review.

DR. O. P. HAY. May 9.
The Relationship of the Mosasauridae.
 ASSISTANT PROFESSOR GEORGE BAUR.
Biomony of the Ocean, by Walther.

DR. E. C. QUEREAU. May 21.
Geographical Distribution and the Origin of Species.

ASSISTANT PROFESSOR GEORGE BAUR.
The Box Tortoises of North America.
 W. E. TAYLOR. June 4.

On the Cranial Arches of the Higher Vertebra.
 ASSISTANT PROFESSOR GEORGE BAUR. June 18.

THE POLITICAL ECONOMY CLUB.

The Monetary Situation in San Domingo.
 HEAD PROFESSOR J. LAWRENCE LAUGHLIN.
 April 26.

Practical Banking.
 J. J. P. ODELL. May 24.

THE POLITICAL SCIENCE AND HISTORY CLUB.

"The Witenagemot."
 W. C. WILCOX. April 11.

Review of Professor Hinsdale's Book.
"How to Study and Teach History."
 J. W. FERTIG.

Symposium on the Study of History in European and American University,
viz.:

Oxford: F. C. BROWN.

Berlin: CHARLES T. CONGER.

Freiburg: PROFESSOR B. S. TERRY.

Harvard: R. C. H. CATTERALL. April 25.

An Unwritten Chapter in the History of Reconstruction.

J. W. THOMPSON. May 9.

Pre-Norman Feudalism in England.

H. N. OGDEN. May 23.

"Legislation under the Norman Kings of England."

W. C. WILCOX. June 6.

THE ROMANCE CLUB.

The first French Grammar by an Englishman (John Palagraw, 1530).
 G. D. FAIRFIELD. May 18.

THE SEMITIC CLUB.

The Sources of the Books of Chronicles.
 THEO. G. SOARES.

A Study of the Hebrew terms for Idolatry, in Isaiah and Jeremiah.

HERVEY F. MALLORY. April 26.

The Trial of Henry Preserved Smith, before the General Assembly of the Presbyterian Church, 1894.

HEAD PROFESSOR WILLIAM R. HARPER. May 31.

THE SOCIAL SCIENCE CLUB.

Organized Labor.

JOHN J. McGRATH. April 24.
 President of the Chicago Trades and Labor Assembly.

Debate. Resolved: That the adoption of the Single Tax Theory is a desirable and practical reform.

Affirmative.—MR. J. H. MOORE,
C. S. BOYD,
F. W. SANDERS.

Negative.—G. R. KIRKPATRICK,
D. C. ATKINSON,
C. H. HASTINGS.

May 1.

The Use of Statistics in Social Study.

DR. I. A. HOURWICH. May 22.

Introduction of Sociology into Secondary Schools.

PROFESSOR C. R. HENDERSON. June 19.

In addition to the above, this club has held Journal Meetings April 10, May 8, and June 5,

THE COMPARATIVE RELIGION CLUB.

Buddha and Christ compared.

E. C. SANDERSON.

Exhibition of Objects.

ASSISTANT PROFESSOR FREDERICK STARR. April 17.

Mohammedanism as seen at Home.

DEAN A. WALKER. May 22.

THE PHILOSOPHICAL SOCIETY.

Pleasure and Pain.

DR. SIDNEY E. MEZES, May 7.

THE PROHIBITION CLUB.

A new Solution of an old Problem.

V. C. CAMPBELL, May 18.
of Canada.

ABSTRACT OF PAPERS.

Read before the University Union, the Philological Society, and the Departmental Clubs.

THE PRESENT CONDITION OF SOCIOLOGICAL THOUGHT IN THE UNITED STATES.

I. W. HOWERTH.

The purpose of this paper was to present the actual condition of thought in this country about the science of sociology. Popular thought was shown to be vague, confusing sociology with charitable and other reforms. There is a general disposition, however, to inquire about sociology, and to welcome any contribution it can offer toward the solution of social problems.

But it is a mistake to suppose that sociology proposes to solve at once all social problems, or that it is even ready to answer all questions asked concerning it. Sociology would rather ask questions than answer them. Just now it is engaged in the task of freeing itself from charlatanry and metaphysics. It will be some time before it can formulate precise definitions, and a longer time before it can point the way out of our present social difficulties.

To determine the condition of thought among sociologists themselves the following questions were sent to all the teachers of sociology in the United States, and to others known to be deeply interested in the subject and entitled to express an opinion:

(1) Which term do you prefer, social science or sociology? (2) Do you think the study is entitled to be called a science? (3) In what department does it belong? (4) What is its relation to Political Economy? History? Political Science? Ethics? (5) How much of the subject should be taught in the High School? (6) In what year of the college course should the subject be introduced, and what studies do you regard as directly preparatory? (7) What is the nature of the course that should be offered to undergraduates? (8) Would you divide the subject into Descriptive, Static and Dynamic, and in what sense do you use each of these terms? (9) What relative importance does the treatment of the dependent, defective and delinquent classes hold?

The various answers to these questions reveal the chaotic condition of expert opinion about sociology. On none of the questions was there unanimity of opinion, and on most of them there was the widest divergence.

This unsettled condition of thought ought not, however, to be taken as a reproach against sociology. It is one of the conditions of the growth of the science. And this growth must be allowed. Hurry is the great temptation of the sociological student. It is such a fine thing to prescribe a panacea for the social body when it is so plainly in need of a remedy; to propose a reform, even though it be a doubtful one, and be a leader in it; to win notoriety, at the head of an industrial army, for instance, that it seems to be very commonplace indeed to settle down to scientific investigation of facts and causes, without the expectation of immediately changing the social order. And yet this is what the scientific student of sociology must do. He "must be content with greatly moderated expectations, while he perseveres with undiminished efforts. He has to see how comparatively little can be done and yet find it worth while to do that little ;

so uniting philanthropic energy with philosophic calm." Only so can he hope to be worthy of his calling, and advance the condition of sociological thought.

[The paper will be published in full in the September number of the *American Annals of Political and Social Science*.

THE HOME OF THE INDO-EUROPEANS.

JESSIE L. JONES.

After the close relationship of Sanskrit to the languages of Europe had been discovered and the science of Comparative Philology had arisen, one of the first tasks of this new science was to find the home of the race which spoke the original Indo-European language. For a time Sanskrit on account of its great antiquity was supposed to be the language spoken by the Indo-Europeans, and their home was located upon the banks of the Ganges. The languages of Persia were found to be still older, and the plateau of Pamir was then selected as the home of the primitive race. From words which are common to several of the Indo-European languages and which must therefore have existed in the original tongue, attempts were made to reconstruct the political and social life of the Indo-Europeans.

The theory of an Asiatic origin of the Indo-Europeans was held for many years by all prominent philologists until 1851, when Latham suggested eastern Europe as the original home. Later Whitney, Benfey, Geiger, and Cuno also expressed their belief in a European Home, and their views have gradually gained the support of the majority of philologists. Anthropologists have also been busy with this question, examining caves and kitchen-middens. Penka has located the original home in Scandinavia. America has been only a looker-on in the dispute until a few years ago, when President Warren suggested a theory which gives her an equal chance with other nations in her claims for the original home, since this theory locates the cradle of the human race, and of the Indo-Europeans as well, at the North Pole. It is time that the last word in this controversy be spoken and that the shades of the Indo-Europeans, which have been wandering for more than a hundred years, be located in their original home.

THE BUILDING OF A TRAGEDY.

FLORENCE WILKINSON.

As a bit of normal training in the great school of literary appreciation, we will attempt a creative experiment, and this experiment will be a classic drama founded upon a Hebrew narrative. We select the story of Jael and Sisera and call our tragedy, "The Tents of the Wanderers," a name suggested by the Hebrew phrase *Zanaannim* which has been hypothetically translated "the Wanderers." The location of Jael is described in Judges as by "the oak in Zaanannim."

We select, as the scene of the tragedy, the scene of the catastrophe, before the tents of the Wanderers on the green hills of Kedesh. The day is the day of the fatal battle when Sisera was

routed by Barak; and our characters are Heber, Jael, Barak, and Sisera. The chorus are Arab women, attendants of Jael. The stage-scenery consists of the low black tents of the Arabs beneath their spreading oaks. The background represents mountainous scenery beneath a stormy sky. On the right a shepherd's path leads away to the Valley of the Kishon, where the battle was fought. On the left, the distance side, a road leads to Harosheth, the fortified city of the Gentiles.

Heber, anxiously forecasting the weather, opens the play by a speech:

"How silvery against that sombre sky—
Yon shivering poplars shake their crown of leaves!"

A sound like a distant trumpet is heard, and Jael rushes out of her tent and sings:

"Lo! the blast of the horn,
The voice of the Lord!"

A scene results between Jael and Heber which brings out the facts that he is a spy, betraying Israel to Canaan, and she, secretly friendly to Israel. Heber, overcome with dismal forebodings as to the result of his negotiations, hurries away on horseback to find Jabin, king of Canaan, and claim his reward from him. The chorus sing a stasimon on the strength of Canaan and the prosperity of the Kenites. The first episode is the arrival of the heathen general, battle-stained and panting, before the tent of Jael. The Bible narrative is closely followed, and while Sisera and his hostess are within the tent, the chorus (dramatic irony) sing a stasimon on the glories of hospitality. The next stage-episode is the scene between Barak, the pursuing general, and Jael. She puts him off and repels him from her tent. This is to delay the situation. A forensic contest takes place between them on her respective duties to Israel and to her husband and husband's honor. After a prolonged argument, while, as we know, Sisera lies dead within, the tent-interior is suddenly disclosed, and Jael urges Barak to behold her deed and then flee, lest her husband may return and wreak his wrath upon them both. Barak protests he will not leave her now. At the sound of footsteps and music in the glen, Jael shrinks in fright. Deborah then appears at the head of a train of women. The chorus sing:

"I hear the sound of cymbals clashed
From Tanaach's wide meadow,
But silence where the chariots crashed
In the valley of Megiddo."

Then the actors on the stage, with the chorus, join in a lyric concerto, which we adapt from Deborah's song of triumph in Judges.

The chorus take the initiative; Barak continues telling of the strength of the Lord in times past. Deborah goes on with the story of Israel's idolatry and weakness. The chorus break into a frenzy of invocation:

"Awake, O Deborah, awake,
And utter a joyful song!
Awake, awake!
Arise, O Barak, arise,
And lead captivity captive!
Arise, arise!"

Barak responds, telling the story of his levy of the tribes. He describes the storm that aided his army.

"At Tanaach they fought,
But heaven was their foe;
The stars in their courses
Were the enemy's forces;
The stars against Sisera fought,
And Kishon, the river, he swept them away,
That ancient river, he swept them away."

Deborah follows with an impressionist's picture of the panic after the battle, and gives a graphic account of Jael's deed, hurrying into accelerated rhythm:

"Yea, she pierced and struck through his temples, through his temples she struck him well.

At her feet he bowed, he fell, he lay; at her feet he bowed, he fell."

She is interrupted by the arrival of a messenger, one of Heber's men, who tells of Heber's arrival at Meroz and his meeting with Jabin there, their quarrel, and how they slew each other. At this moment a flash of lightning illumines the sky, and a crash of falling walls is heard. Deborah breaks into song (stage-lyric):

"The curse of the Lord upon Meroz has fallen
The breath of the Lord like fire."

And the tragedy is closed by the solemn words of the chorus, chanting a conclusion to the concerto:

"So let all thine enemies perish, Lord of thunder, Lord of light,
But let them that love thee be as the sun when he goeth forth
in his might."

THE LITERATURE OF THE VIRGINIAS.

HOWARD N. OGDEN.

The literary product of the two Virginias may be roughly grouped into the following periods: (1) The Colonial, from 1606 to 1750; (2) The Revolutionary, from 1750 to 1800; (3) The National, from 1800 to 1860; (4) The Literature of West Virginia, since 1860; and (5) The Literature of Virginia since 1860. The fifth or last division was not discussed in this paper.

In the first or Colonial period the writings of Captain John Smith, George Percy, William Strachey, and George Sandys were described. Alexander Whittaker, the "Apostle of Virginia," was the first writer to make the colony his permanent home. His book, printed in London, 1613, was entitled "Good News from Virginia."

The blank verse lines on the death of Nathaniel Bacon, found more than a century after the event they commemorate, were read and commented upon. In 1663 William and Mary College was founded, with Dr. James Blair, a voluminous sermon writer, as President. In 1705 Robert Beverly published a sketch of the History of Virginia, distinguished for its graceful style. In 1724 Rev. Hugh Jones prepared an English Grammar, "Accidence to Mathematics," and "Accidence to Christianity," for use as school text-books. In 1729 Col. William Byrd wrote an account of the Running of the Dividing Line between Virginia and North Carolina, abounding in refreshingly witty descriptions of the Carolinians of his day, but this MSS was not printed until 1841.

The Revolutionary period was chiefly distinguished for the oratorical productions of Henry, Pendleton, Lee, and Randolph, and the political and juridical writings of Washington, Jefferson, Madison, Mason, Tucker, and Marshall. The poetry of the time was of the didactic and artificial type of eighteenth century English verse.

In the National period, Presidents Jefferson, Madison, Monroe, and the Tuckers and Lee continue their political writings. Axel P. Upshur writes his Exposition of the U. S. Constitution, and Gov. Henry A. Wise, "The Seven Decades." In History and Biography the most notable books are Rives' Life and Times of James Madison, Garland's Life of John Randolph, Marshall's Life of Washington, Wirt's Life of Patrick Henry, and Alex. S. Withers' Border Warfare.

In prose fiction the writings of Edgar A. Poe, John R. Thompson, editor of the *Southern Literary Messenger*; John E.

Cooke, Philip P. Cooke, and George W. Bagby, the humorist, were commented upon. In poetry the translations of Mumford and Dabney, and the works of Poe, P. P. Cooke, Messrs. Preston, Thompson and others were illustrated and compared.

In the fourth division. West Virginia Literature since 1860, special attention was directed to the recent development of Lyric poetry. Extracts from the collections of Daniel B. Lucas, "A Wreath of Eglantine," and "Ballads and Madrigals"; from Mrs. Danske Dandridge's "Joy" and "Rose Brake"; from Waitman Barbo's "Ashes and Incense," Emma Withers' "Millwood Chimes," and Hu Maxwell's "Idylls of the Golden Shore," were read. In blank verse, "Change," "The Sons of Godwin," and "At the Court of King Edwin"—the last two, dramatic poems, the works of William Leighton, Jr., are the most ambitious and perhaps the best productions.

Virginian writers have attained greatest excellence, first, in oratory and historical and political writing; and, second, in Lyric poetry. (See the writer's work on "The Literature of the Virginias," now in preparation.)

STUDIES IN MILTON'S POETIC STYLE.

JENNETTE CARPENTER.

1. *The critics*, from the earliest to the latest, agree in ascribing to Milton majesty of style.

2. *Milton's diction* was discussed under three heads: (a) Number of Words. (b) Repetition of Words. (c) Character of Words.

Pattison speaks of "Milton's limited vocabulary," as compared with Shakespeare's. Tables were given to show that when equal amounts of material from different authors are examined, Milton's vocabulary is found to be by no means a limited one, comparatively. A study of passages of equal length, taken from Milton, Shakespeare, and Tennyson, showed the following results:

Number of Different Words in One Thousand.

Comus,	578
Paradise Lost, B. I.,	528
Romeo and Juliet,	489
Passing of Arthur,	404

Further study of the same passages showed that in the fifth hundred of Paradise Lost there were sixty-one words not previously used, while the fifth hundred of the Shakespeare passage had only forty-three, and the Tennyson passage, only twenty-six. And further, an examination of Comus showed that Milton does not come down to so small a number as twenty-six in a hundred until he reaches his *twenty-eighth* hundred.

This difference may be partly accounted for by the infrequent use in Milton of Figures of Repetition, for which Tennyson has a special liking.

One reason for Milton's readers being so fit and few is to be found in the *character of his words*. The number who can read his poetry with ease is limited not only by the strange words he uses but by the strange senses in which he uses familiar words.

3. In the study of *phrases* a comparison was made between limited passages from Milton, Tennyson, Wordsworth, and Shakespeare on the basis of Sherman's five classes, as given in his *Analytics of Literature*. From the table presented Milton's percentage of simple prose phrases is the same as that of Wordsworth and Shakespeare, but much larger than that of Tennyson; while in the poetic phrase preeminently he has more than Wordsworth or Shakespeare, but Tennyson exceeds him by ten per cent.

4. Brief discussions followed concerning foreign constructions and Latinisms, and concerning the length and involved character of Milton's sentences.

LITERARY CRITICISM IN THE ENGLISH DRAMA.

FREDERIC IVES CARPENTER.

1) In early literary periods, before the evolution of criticism as an independent literary *genre*, the material of criticism is to be found in other species of composition. The *Frogs* of Aristophanes is one of the chief documents of Greek criticism. Similarly there is a series of plays with a distinct critical import in the English drama.

2) Nature of early criticism (Elizabethan). The devices of literary warfare.

3) Forms taken by criticism in the drama:

a) Personal and satirical attacks. b) Criticism directed at literary practice and theory. Questions of the unities, of rime, of bombast, of Euphemism, etc. c) Criticism explicit in prologue and epilogue, and similar devices. d) Criticism embodied in complete plays, usually parody and burlesque.

4) Criticism and parody in Shakespeare.

5) Main drift of general dramatic criticism. Two periods, and two central figures: Ben Jonson and Dryden.

a) Ben Jonson: Classicism *versus* Romanticism. Jonson's three objects of attack: the spectacular element; breaches of the Aristotelian rules; the improper use of "humours." The *Poetaster* as a document in criticism; the *Satiromastix*; preface to *Sejanus*; *Volpone*, etc. Jonson's ideal of dramatic writing. b) Restoration and Eighteenth Century criticism. Dryden's position as a literary critic. The *Rehearsal*, its chief points of attack. The *Critic*: Satire on Eighteenth Century dramatic methods.

6) In general it is to be said that the early dramatic criticism, though occasional and often personal in form, was important and vital, being attached to the most important and vital form of literature of the time. The losing party, the "classical" school, had the best of the argument, but were worsted in practice. Their doctrines fall in with the tendencies of the next age, and have a considerable influence. The later criticism, however, reveals in itself the decline of the drama. The questions discussed are more numerous, but less fundamental; more technical and less general. Serious criticism passes into other forms of expression.

THE SYNTAX OF THE ADJECTIVE IN MIDDLE HIGH GERMAN.

JESSIE LOUISE JONES.

The origin of the so-called strong, weak, and uninflected forms of the Germanic adjective was given. In the earlier period each of these forms had a particular meaning which determined its use syntactically. This distinction of meaning is nearly lost in the Middle High German period and a purely formal division prevails. Examples of the use of the adjective in the Nibelungenlied were given.

SLANG IN MODERN LANGUAGES.

PAUL O. KEEN.

What is slang? Its definition is difficult. Webster rightly distinguishes between cant and general slang, sharply defining the former, but not the latter in his definition: It is the language not authorized by classical writers and by good usage. This statement ignores the difference between the written and spoken language of a civilized nation, its whole modern colloquial

language being more or less unauthorized by classical writing. The addition: not authorized by good usage, is vague and not entirely correct; the speech of the illiterate, baby-talk, the foreigner's broken language, many onomatopoeical terms, for instance, not being slang. By subdividing the conversational language into dialectical language, technical terms, and slang, we are at least able to state what is not slang.

The history of the origin and development of slang gives us a better insight into its nature than a definition can. We find that it originated in cant—the slang within the barriers of one class. There is a cant of the alums, boulevards, demi-monde, prison, barracks, navy, workshops, studios, newspaper offices, theaters, sportsmen, waiters, pupils, clergymen, etc. The different needs of each profession develop its cant differently; the thieves-patter being at the head. The most commonly-used cant terms—those that became widely known by virtue of patness and expressiveness—formed the basis of a general slang. Slang, then, combined from the various cants is an aggregation of their best material.

How do German slang and French argot compare with slang in English? Slang, in the American sense of the word, is still in its infancy in Germany. Reasons for this: The stationary condition of the German people; the small amount of traveling done by them. The counter-influence of schools. The spirit of caste in Germany. The great vitality of German dialects. The first and second hold good also for France. The third and fourth must then be decisive, as France owns a flourishing slang. If argot is not so prevalent as American slang, it is because of the French nation's more developed sense for form, and its higher respect for its native tongue.

What are the causes for the continued rapid development of slang? The caste-leveling tendencies of our age (democratic America overrun with slang). The reaction of human nature against the artificiality of a conventional speech. The slang-term being often more expressive than its synonym in ordinary language. Slang being self-creative.

Why should slang be studied? As a valuable source for the history of civilization, sharply reflecting the foibles and predominant vices of a nation. As a field for philological research: in its etymology, as regenerative, word-forming factor.

The German language has not yet produced a name for slang. Notice in German dictionaries: Gaunersprache, Rotwälsch, Kauderwälsch, Pöbeleprache, Kunstsprache.

French argot, the etymology of which is uncertain, originally the language of thieves, to be translated into English by cant.

THE ORIGIN OF GERMANIC ɪ ; A REVIEW OF RECENT THEORIES.

H. SCHMIDT-WARTENBERG.

Of the two ɪ sounds in Germanic (ɪ = I.-E. ɪ ; OHG. O.N. ɪ , etc.; ɪ = OHG. ɪ > ea , ia , io , ie , O.N. é , etc.) the origin of the latter offers difficulties. It is found a) in Latin loanwords, b) in Teutonic words, c) as root vowel of preterites with reduplicating verbs. Only a) and b) are considered here.

The value of ɪ : all Germanic dialects, except OHG., point to ɪ . The latter must be special development ɪ > é , ā > ea , ia ; against Franz, *Die lateinisch-romanischen Elemente im Althochdeutschen*. Mahlow, Schrader (BB. 15, 131), and Kluge (Grundriss I., 356) consider ɪ a contraction from i-ɪ a (r); this view is to be rejected (cf. Gothic *unbiarja*). The occurrence of ɪ by the side of ɪ leads to the supposition that ɪ is an ablautform of ɪ (cf. Jellinek, PBB. 15, 297; Sievers, PBB. 16, 258; 18, 409). This theory explains the appearance of ɪ in some of the small class of words; in others it must be considered as *Lautsubstitution*.

GAUSS'S METHOD OF DETERMINING SECULAR PERTURBATIONS, WITH A NUMERICAL APPLICATION TO THE ACTION OF NEPTUNE ON URANUS.

T. J. J. SEE.

The speaker began by pointing out the distinction between periodical and secular inequalities, and then sketched briefly the work of the great mathematicians on the secular perturbations of the planets. After surveying the work of Lagrange and Laplace, which depends upon analytical developments in series, expanded according to the powers and products of the eccentricities and inclinations of the planes of the orbits, the speaker came to the method of Gauss, which was first developed in a memoir on the attraction of a certain form of elliptical ring, communicated to the Royal Society of Sciences of Göttingen in 1818. Since the secular perturbations depend only upon the mean action of the planets from age to age, Gauss conceived the idea of substituting a certain form of elliptical ring for the moving planet. The determination of the attraction of these rings involves the use of elliptic integrals of the first and second kinds.

The mass is imagined to be distributed around the orbit in such a way that equal areas described by the radius vector will include equal portions of the planet's mass. Dr. See gave the principal steps in the investigation for finding the action of such elliptic rings, and called attention to the high importance of the memoirs of Dr. G. W. Hill and M. Callandreau, which not only develop the theory of Gauss's method, but also give auxiliary tables for facilitating its application.

The speaker then gave the results of his investigation of the secular perturbations of Uranus arising from the action of Neptune. The values found by the rigorous method of Gauss were shown to agree very well with those obtained by Leverrier from the expansion in series, when the masses used by Leverrier are corrected so as to accord with modern observations.

CONCERNING AN APPLICATION OF DETERMINANTS

Of Infinite Order to the Theory of Linear Differential Equations.

JAMES HARRINGTON BOYD.

Literature: G. W. Hill's memoir, "On the part of the motion of the lunar perigee which is a function of the mean motions of the sun and moon," (Cambridge, Wilson, 1877; *Acta Mathematica*, T. 8). Helge von Koch's two memoirs, the first "Sur une application des déterminants infinis à la théorie des équations différentielles linéaires." (*Acta Mathematica*, T. 15); a second memoir, "Sur les déterminants infinis et les équations différentielles linéaires." (*Acta Mathematica*, T. 16).

If the coefficients of a linear differential equation of the n th order are uniform analytic functions the independent variable x (y being the dependent variable) which in the region about a certain point, for example, $x=0$, can be represented by Laurent's series, we know, by certain important researches of Fuchs that there exists at least one integral which in the region of the point mentioned can be written in the form

$$y = x^r G(x),$$

r being a quantity independent of x and $G(x)$ a series of Laurent. In the particular case where $G(x)$ contains but a finite number of terms involving negative powers of x , the coefficients of this series are given by recurring formulas (Fuchs, *Crelle*, T. 66). But in the general case, if we seek to determine the coefficients we obtain an infinite system of linear equations. One such system has been studied for the first time by Hill (in the memoir cited above), who on integrating a certain differential equation of the second order was led to the evaluation of a determinant of infinite order.

Von Koch, in his first memoir, making use of two theorems

concerning the convergency of determinants of infinite order due to Poincaré (*Bulletin de la société mathématique de France*, T. 14, p. 77), shows, under certain limitations, how to construct the *fundamental system* of integrals belonging to a linear homogeneous differential equation of the n th order.

In his second memoir von Koch by an application of determinants of infinite order solves the following problem. Being given an homogeneous linear differential equation of any order whose coefficients are holomorphic in the interior of a certain circular ring; find for this region a fundamental system of integrals under the analytic form, which by the investigation of Fuchs always characterizes the integrals belonging to such a portion of the plane (Fuchs, *Crelle*, T. 66).

CONCERNING THE THEORY OF DETERMINANTS OF INFINITE ORDER.

E. HASTINGS MOORE.

A brief characterisation of the following papers: APPELL; Sur une méthode élémentaire pour obtenir les développements en séries trigonométriques des fonctions elliptiques (*Bulletin de la société mathématique de France*, vol. 13, pp. 1-13, 1884); POINCARÉ; Remarques sur l'emploi de la méthode précédente (*ibid.*, pp. 19-27); HILL; On the part of the motion of the lunar perigee which is a function of the mean motions of the Sun and Moon (Cambridge, 1877; reprinted with additions, *Acta Mathematica*, vol. 8, pp. 1-38, 1886); POINCARÉ; Sur les déterminants d'ordre infini (*Bulletin* . . . , vol. 14, pp. 77-90, 1886); VON KOCH; Sur une application des déterminants infinis à la théorie des équations différentielles linéaires (*Acta Mathematica*, vol. 15, pp. 53-63, 1891); VON KOCH; Sur les déterminants infinis et les équations différentielles linéaires (*Acta Mathematica*, vol. 16, 217-236, 1892-3).

CONCERNING GROUPS OF LINEAR TERNARY SUBSTITUTIONS.

H. MASCHKE.

The paper deals with those groups G of a finite number of linear ternary substitutions which leave, when represented geometrically, the triangle of reference unchanged. The study of the invariants of these groups has been neglected so far on account of the apparently simple structure of the groups, while, on the other hand, it proves to be indispensable for the investigation of ternary and quaternary finite groups which contain groups G as subgroups.

It is shown in the paper how the problem can be solved completely for the most important case where two generating substitutions of G are given, one of which produces the alternate permutation-group of the variables while the other multiplies each variable by arbitrarily given roots of unity. The number as well as the nature of the invariants of G are closely connected with a quadratic form which is determined by the constants of the roots of unity entering in the coefficients of the substitutions of G .

THE WITENAGEMOT.

W. C. WILCOX.

Preliminary Thesis: The witenagemot became, before the Norman Conquest, an aristocratic, governmental body in which only a limited number of dignitaries had a right of attendance either in theory or practice. In special cases, however, the witenagemot was attended by classes of men besides its usual members, but who had a right of attendance only as it was accorded them in these special cases.

Final Thesis: The witenagemot did not survive the Norman Conquest either in theory or practice.

The history of the English National Assembly may be divided into three epochs: 1. First, from the earliest times to the con-

solidation of the seven kingdoms under Egbert of Wessex in 827 A.D. In this first period there was probably a witenagemot. There certainly was a national assembly and it was probably aristocratic in character. The family was the historical and legal basis of the state. The moots of the kingdom were known by various names, as Folk-Moot, Witenagemot, General Assembly, etc. There are several questions to be considered and answered: (1) Was the witenagemot the only moot of the kingdom above the mark-moot and above the hundred moot? Probably. (2) Was the national assembly before the consolidation aristocratic or democratic? It was becoming aristocratic. (3) Was representation known in this national assembly? It was not. (4) Was there a shire-moot before the consolidation? Not strictly such.

2. The second period of the history of the witenagemot extends from the consolidation in 827 A.D. to the Norman Conquest in 1066 A.D. Power became centralized in the witenagemot. There were several causes for this fact. The witenagemot became completely aristocratic in character. No principle of representation was known. Freeman's position on this point incorrect. There was no property qualification for membership. Women sometimes attended, but always few in number, and for special reasons. The powers of the witenagemot were legislative, judicial, and executive.

3. The third period of the history of the national assembly extends from the conquest forward. The changes made obliterated the witenagemot. An almost complete change was made in the personnel of the assembly. An equally great change was made in their powers. The name was changed, also the method of summons. Qualification for membership was the summons. The changes made were so violent and radical as to justify the statement made in the Final Thesis.

AN UNWRITTEN CHAPTER IN THE HISTORY OF RECONSTRUCTION.

JAMES WESTFALL THOMPSON.

The aim of the paper was to show the futility of trying to base democratic institutions upon an ignorant suffrage; that an unwritten chapter in the history of reconstruction would reveal the effort of the moderate portion of the dominant party of the Fortieth Congress to prevent the passage of the XV amendment, and that this attempt was defeated by the fierce eloquence and strenuous urgency of the radical wing, led by Sumner, Wilson and Pomeroy in the Senate, and Boutwell in the House. The paper took the ground that the amendment was in reality passed, not so much to elevate the negro as to humiliate the South. Specifically, it was attempted to show the inexpediency of limiting the government of the United States in its control of the suffrage as much as the XV amendment does; that control of the suffrage to the degree expressed by the XV amendment was lodged in Congress, which could have directed it by legislative act, as to time, place, manner, and qualification. The amendment, therefore, was superfluous, as well as inexpedient, because the limitation upon the National Government was, by its expression in the Constitution, made almost irrevocable.

The power of Congress over qualifications was sustained by:

- (1) Interpretation of the Constitution, including the XIV amendment.
- (2) The purpose of its framers.
- (3) The truest principles of political science.

PRE-NORMAN FEUDALISM IN ENGLAND.

HOWARD N. OGDEN.

The primitive Germanic institution of the Comitatus, the supposed source of feudal vassalage, was first examined. The descriptions given of this institution in Cæsar, Tacitus, the

Béowulf, the Scandinavian Eddas and Sagas, and the fragments of early Germanic poetry were analyzed, and the relation of the Comitatus to the Prince, its political function, its connection with the war-band and the militia organization of the state, and its later decadence in Anglo-Saxon England were discussed.

A minute comparison of the reciprocal obligations and duties of the Prince and Comites, with those of the Roman Patron and Client, and Patron and Freedman, and with those of the feudal lord and vassal reveals the identity, in spirit and form, of the last two, remarkably confirming the proofs of their historical connection, and that the first relation was essentially different from them. Historical evidence of the actual development of feudal vassalage from the relation of the Comitatus is wanting.

The passages in the Anglo-Saxon laws and charters evidencing the existence of supposed feudal practices, such as commendation, heriots, private jurisdictions, grants on condition of military service, *laen tenures*, etc., were also examined.

The conclusions of the writer were that the primitive Comitatus was not the historical source of feudal vassalage, and that feudal vassalage did not prevail among the Anglo-Saxons: that in Anglo-Saxon times heriots, as contended by Spelman, were not a kind of feudal aid: that "feuda," as a species of land tenure, and grants on condition of military service to the grantor, in the feudal sense, were wholly unknown to the Anglo-Saxons, and that grants of private jurisdiction, as appurtenant to land ownership, were certainly not made before the time of Edward the Confessor, if then.

(A full discussion of these and related questions may be found in a thesis, by the writer on the subject of this paper, deposited in the library of Marietta College, Marietta, Ohio.)

ORGANIZED LABOR.

J. J. McGRATH.

The development of machine production and the concentration of business in corporate concerns has resulted in practical extinguishment of the middle class small employer.

The corporate employer of today is in general so far removed from direct personal contact with his employees that he can, in the nature of things, have very little sympathy for them. The relation of the two is reduced to a matter of dollars and cents.

The aim of labor organization is to give the working man a standing as a man and as a producer of things useful to mankind. Without Labor Unions the life of the modern wage worker would be little better than slavery; with them, it is comparatively independent and free from uncertainties. Consciousness of the power that lies in the Union gives the employee a satisfying feeling of independence and dignity. It makes his relation with his employer seem like a business arrangement between men on the same plane.

By thoroughness of organization, the Labor Unions are able to break through all laws of supply and demand. For eight years the Bricklayers' Union of Chicago has maintained a uniform scale of wages, through the greatest variations in the commercial world. Labor Unions, besides maintaining a uniform wage, are of the greatest benefit to the working man in that they insure the prompt payment of wages: for the contractor knows well that, unless the wages of Union men are promptly paid, the work will come to a standstill.

On the other hand, the Unions are in numerous respects an advantage to the contractor and employer. The contractor is certain as to the wage which he will have to pay and can make exact calculations. The Unions do not, as is sometimes charged, uphold their men in "soldiering" and in slighting their work. On the contrary, some of them have rules fining a workman for a bad job. The Bricklayers' Union has recently fined men for faulty sewer construction.

The Trades and Labor Assembly of Chicago is designed principally, for the cultivation of a spirit of coöperation and social union among the different organizations. Its action is not binding upon the Unions who send delegates to it. In this it differs essentially from the Building Trades Council, which is a close union for active assistance in strikes, etc.

THE SOCIOLOGICAL METHOD OF UNIFYING STUDIES.

C. E. HENDERSON.

The scope of Sociology, descriptive, statical, and dynamical, was discussed. The method of studying a living community was illustrated in detail by applying an analysis to a certain western village. A special family was described in relation to the organization and movement of life in the town, the commonwealth, and the nation. The statical criteria of social judgments and the dynamic efforts at amelioration were disclosed in an actual experience. In elementary schools it was urged that Sociology as a distinct study should not be introduced, but that each particular study should be coördinated with all others in an organic way by making the social life the text-book. Language, number lessons, artistic expression, geography, history, economical principles, political organization, morals, and religion would thus come to be correlated parts of a consistent and progressive method of education.

LEGISLATION UNDER THE NORMAN KINGS OF ENGLAND.

W. C. WILCOX.

This paper was an attempt to show the special significance of the Norman period in English legislation. The extent of the Norman period was decided to be from the Conquest in 1066 A. D. to the accession of Henry II. in 1154 A. D. Reasons for this decision are several. Legislation is a factor of prime importance in constitutional development. A sharp distinction must be drawn between legislative method and legislative matter. The change in legislative method after the conquest was most marked. It betokened the revolutionary character of the Conquest. It determined the location of sovereignty. Legislation was unequally distributed between the central and local governments. The character of legislation differed somewhat under the four Norman kings.

The characteristics of Norman legislation are most distinct. It was foreign to the imperial-municipal idea of the Romans. It was equally foreign to the representative idea. The legislation was constitutional rather than statutory. It was fragmentary and unsystematic. It took on the form of voluntary concessions by the king to the people. In fact, it was sometimes involuntary. It was based on individual will, but this will was guided by precedent.

The significance of the Norman period in legislation consists of several facts: (1) The three departments of government were never more fully identified in England. (2) Absolutism in English legislation was never more complete. (3) English and Normans were not only separate on racial and social footing, but equally separate as to their legal and constitution status. (4) The period was a preparation for the later amalgamation of Norman and English which began under Henry II. (5) It was a preparation for legislative representation. (6) The effects of Norman legislation were marked upon Henry II., his successors, and the English people.

During the Norman period, legislation by the people, even in a remote sense, suffered a total eclipse. Never was the English government based less upon popular sovereignty. But during this same period political forces were at work which, in the course of time, resulted in the establishment of a bicameral legislature based upon popular representation.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

Four standing committees of the Christian Union attend to the various branches of its work: The Committee on Biblical Study, the Committee on Social Life, the Committee on Philanthropic Work, and the Committee on Public Worship. For the first two there is no special report at this time.

THE COMMITTEE ON PUBLIC WORSHIP.

The following addresses have been delivered before the Christian Union on Sunday evenings, from April to June, 1894:

REV. E. F. WILLIAMS, D.D.

The Attractions of the Religion of Jesus Christ.
Convocation Sermon. Theatre, Kent Chemical Laboratory. April 1.

HEAD PROFESSOR H. P. JUDSON, The University.
A Monk of the Middle Ages. April 8.

MRS. ALICE FREEMAN PALMER, The University.
Value of Time. April 15.

ASSOCIATE PROFESSOR FRANKLIN JOHNSON, D.D.,
The University.
The Mission of Christ. April 22.

ASSOCIATE PROFESSOR C. R. HENDERSON, The University.
April 29.

HEAD PROFESSOR G. W. NORTHRUP, D.D., The University.
The New Life. May 6.

HEAD PROFESSOR J. LAURENCE LAUGHLIN, The University.
Character. May 20.

DR. THOMAS W. GOODSPEED, The University.
The Business of Life. May 27.

MR. CHARLES ZEUBLIN, The University.
Social Aspects of Rationalism. June 3.

ASSISTANT PROFESSOR F. J. MILLER, The University.
June 10.

ASSOCIATE PROFESSOR GEORGE S. GOODSPEED, The University.
Jesus' Estimate of a True Life. June 17.

UNIVERSITY SETTLEMENT.

The University Settlement is located at 4655 Gross Avenue, near the corner of Forty-seventh Street and Ashland Avenue.

The policy of the Settlement for the Summer Quarter has been to carry on the work started last year sufficiently to keep the hold already gained, and yet to suspend to a considerable extent the regular work of

the public meetings, clubs, and kindergarten. Accordingly, some 19 clubs and classes, with a membership of 345, have disbanded for the summer; the University Extension course is also stopped temporarily.

Besides the Matron of the Crèche, Mrs. Kate Wilcox, three young men, two of whom are graduate students in the University, reside at the Settlement.

Below is the weekly programme, giving the meetings held, with the names of those in charge:

Sunday, 4 P.M., meeting for children, under the direction of Mr. C. K. Chase; average attendance, 40.

Monday, 7 P.M., class in reading and spelling, Mrs. Wilcox; average attendance, 35. 8 P.M., young men's class in Human Physiology, Mr. C. E. Hemingway.

Tuesday, 8 P.M., music class for young ladies, Miss Thompson.

Wednesday, 8 P.M., meeting of Agassiz Chapter, Mr. Hemingway; membership, 18.

Thursday, 7 P.M., class in reading and writing, Mr. Wilkins.

Friday, Agassiz field-day.

Saturday, 7 P.M., class in reading and writing, Mrs. Wilkins.

A rather scantily furnished reading room is kept open every evening, and throughout the day there is always some one present to give any help or advice that may be needed.

Mr. Hemingway is frequently called on for medical and surgical help, and is doing much of the work of a free dispensary. He is also laying the foundation of a Museum of Natural History.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

Increased interest was shown by the members of the association in the work during the Spring Quarter. A closer union between the Y. W. C. A. and Y. M. C. A. was effected. A mission was established in a building, corner of Fisk Street and Eighteenth Place, in the center of what is known as the Bohemian district. Sufficient funds were pledged by members of the two associations to support this for six months. The officers and committees of the association are as follows:

President, A. T. Watson; Vice President, H. D. Abells; Treasurer, F. D. Nichols; Recording Secretary, J. F. Hoscic; Corresponding Secretary, D. A. Walker.

Committees were appointed as follows:

Devotional Committee:

W. E. Wilkins, G. A. Bale, E. V. Pierce, E. E. Hartley, S. C. Mosser.

Membership Committee:

T. L. Neff, B. R. Patrick, W. P. Behan, A. M. Wyant, O. E. Wieland.

Finance Committee:

E. J. Goodspeed, S. S. Hageman, W. Breeden, J. Lamay.

Reception Committee:

A. A. Stagg, M. L. Miller, W. E. Chalmers, W. P. Behan, F. W. Woods.

Missionary Committee:

F. G. Cresse, J. F. Hunter, J. Hulshart, H. H. Hewitt.

Bible Study Committee:

W. B. Owen, T. A. Gill, J. F. Hosie, F. B. Barnes, H. F. Atwood.

Intercollegiate Work Committee:

C. F. Kent, A. A. Stagg, C. K. Chase, J. E. Raycroft.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

Marked progress has been made in the work of the association during the Spring Quarter. Two prayer meetings are held each week: A noon meeting in Cobb Lecture Hall Thursday at 1:30 and a union meeting with the Y. M. C. A. on Sunday evening at 6:45. Both of these meetings have been well attended. A helpful auxiliary to the association work is the weekly prayer meeting held in each of the Women's Houses. In connection with the Y. M. C. A., the association has organized the Fisk Street Sunday School near West Eighteenth Street. Sunday school and gospel services are conducted every Sunday at 3:30 and 8:00 P.M., and clubs, a reading room, and other features of social work are planned.

The following are the committees:

Executive Committee:

President, Altheia Hamilton; Vice President, Louise C. Scovel; Recording Secretary, Jennie K. Boomer; Corresponding Secretary, Harriet C. Agerter; Treasurer, Marion Morgan.

EXERCISES IN THE UNIVERSITY CHAPEL.

CHAPLAINS DURING THE SPRING QUARTER.

Assistant Professor A. H. Tolman. April 2-7.
 Assistant Professor J. H. Tufts. April 9-14.
 Head Professor G. W. Northrup. April 16-21.
 Professor E. G. Hirsch. April 23-28.
 Assistant Professor B. F. Simpson. April 30-May 5.
 Associate Professor G. S. Goodspeed. May 7-12.
 Professor C. Chandler. May 14-19.
 Associate Professor C. R. Henderson. May 21-26.
 Assistant Professor F. J. Miller. May 28-June 2.
 D. W. Caldwell. June 4-9.
 Assistant Professor F. A. Blackburn. June 11-16.
 Associate Professor C. R. Henderson. June 18-23.

Reception Committee:

Mary D. Maynard, Jennie K. Boomer, Louise Goodhue, Jennette Kennedy, Myra H. Strawn.

Membership Committee:

Louise Scovel, Effie A. Gardner, Jean E. Colville, Jennie K. Boomer, May J. Rogers.

Prayer Meeting Committee:

Florence L. Mitchell, Louise Goodhue, Emma Willard, Berdina M. Hale, Martha Klock.

Bible Study Committee:

Mrs. Zella A. Dixson.

Missionary Committee:

Cora Jackson, Harriet Agerter, Ella Keith, Flora M. Thompson, Ella M. Osgood.

Inter-Collegiate Committee:

Harriet C. Agerter, Jean E. Colville, May J. Rogers, Emma Walls, Charlotte F. Coe.

Finance Committee:

Marion Morgan, Mary C. Farr, Stella Robertson, Jean L. Odell, Marion Coegrove.

Fisk Street Committee:

Laura Willard, Mary D. Maynard, Florence L. Mitchell, Dora Diver, Mabel Kells.

Sub-committees:

Sunday School—Laura Willard, Stella Robertson, Elizabeth McWilliams.

Gospel Meetings—Mary D. Maynard, Jean E. Colville.

Visitation—Florence L. Mitchell, Ella M. Osgood, Dora Diver.

Finance—Mabel Kells, Jennette Kennedy, Martha Klock, Jennie K. Boomer.

THE MISSIONARY SOCIETY.

City Missions.

REV. W. B. RILEY. April 19.

CHAPEL ADDRESSES.

April-June, 1894.

CHANCELLOR KIRKLAND, Vanderbilt University.

Greeting. Friday, April 6.

PROFESSOR DENNEY, Scotland.

Pride and Hope as Motives. Thursday, April 19.

DR. H. W. THOMAS, Chicago.

Evolution. Thursday, May 15.

PROFESSOR TARBELL, The University.

The Religion of Marcus Aurelius. Thursday, June 14.

REV. W. T. SCOTT, Chicago.

The Central Place of Religion in Life. Friday, June 15.

PROFESSOR R. G. MOULTON, The University.

The Three Temples, by Dovenaut. Thursday, June 21.

MUSIC.

WARDNER WILLIAMS, *Assistant in Music.*

University students are cordially invited to identify themselves with some one of the following musical organizations :

The Elementary Chorus.
The University Chorus.
The University Glee Club.
The University Orchestra.
The Mandolin Clubs.

The FOLLOWING MUSICIANS have appeared at the University Chapel Exercise and on other occasions :

Mr. Sidney Biden, *Baritone.*
Mrs. Hess-Burr, *Accompanist.*
Mr. Franz Esser-Cremerius, *Violinist.*
Mrs. Minnie Fish-Griffin, *Soprano.*
Miss Marie von Holst, *Soprano.*
Miss Anna V. Metcalf, *Soprano.*
Miss Jessie K. Reed, *Soprano.*
Mr. Alfred Williams, *Bass.*
The Weber Quartette.

UNIVERSITY VESPERS.

Vespers were held, in connection with the University Quarterly Convocation, July 1st, 1894.

The Schubert Quartette assisting :
Mr. Samuel T. Battle, First Tenor.
Mr. William Harris, Second Tenor.
Mr. John R. Tyley, First Bass.
Mr. George H. Iott, Second Bass.

UNIVERSITY CONCERTS.

The University concerts will occur on the next to the last Thursday evenings of each Quarter at eight o'clock.

UNIVERSITY LECTURES.

J. C. AMBROSE, Evanston.

The Fool in Politics. Chapel, Cobb Lecture Hall, Tuesday, June 5.

HEAD PROFESSOR W. I. KNAPP, The University.

Two lectures on successive Wednesdays at 3:00 P.M.

Reminiscences of Spanish History. June 6 and 13.

DR. RENÉ DE POYEN-BELLISLE, The University.

Four public lectures in French on successive Wednesdays at 3 P.M., in *Lecture Room, Cobb Lecture Hall.*

La Renaissance en France, May 2.

Rabelais, May 9.

Montaigne, May 16.

Ce que la Renaissance et la Réforme ont fait pour la France, May 23.

THE UNIVERSITY HOUSES.

GRADUATE HALL.

Organization.—Head, CHARLES F. KENT; Counselor, Head Professor A. W. Small; House Committee, (the above *ex-officio*), Associate Professor O. J. Thatcher, W. Hill, H. B. Learned, D. A. Walker, W. C. Wilcox; Social Committee, F. Schwill, J. Cummings, C. J. Conger, T. G. Soares, A. E. McKinley.

MEMBERS.

Bachellé, C. V., Boyd, C. S., Boyd, J. H., Caraway, H. R., Conger, C. J., Cummings, J., Dickie, H., Farr, M. S., Herrick, R. W., Hill, W., Hubbard, H. D., Kent, C. F., Lovett, R. M., Learned, H. B., McKinley, A. E.,

Sanders, F. W., Schwill, F., Soares, T. G., Squires, V. P., Thatcher, O. J., Triggs, O. L., Tunell, G., Walker, D. A., White, H. K., Wilcox, W. C.

GUESTS.

Grant, Ernest D., Goodman, C. A., Mandel, E. F.

SNELL HOUSE.

Snell House was organized at a meeting held in the University Chapel October 4, 1893. The officers are : Head of House, A. A. STAGG; Counselor, Professor H. P. Judson; House Committee, J. Sperans, J. E. Raycroft, J. Lamay, W. Rullkoetter, and P. F. Carpenter;

Treasurer, P. F. Carpenter. Mr. Carpenter was elected to fill the vacancy caused by the resignation of William Rullkoetter.

MEMBERS.

Carpenter, P. F., Church, H. B., Crouse, D. H., Dickerson, S. C., Dibell, C. D., Grant, G. K., Hartley, C. E., Harvey, S., Hering, F. E., Hoebeke, C. J., Holic, J. H., Hulshardt, J., Hunter, J. F., Jone, H., Kohlsaas, P., Lamay, J., Leiser, J., Liebenstein, S. C., Linn, J. W., Macomber, C. C., Miller, R. N., Mosser, I. C., Munhardt, W., Nichols, F. D., Peterson, H. A., Raycroft, J. E., Rullkoetter, W., Sass, L., Shallis, G. W., Schnelle, F. O., Sperans, J., Tanaka, K., Tooker, R. N., Wieland, O. E., Williams, C. L., Williams, J., Williams, J. W., Wilson, W. O., Wyant, A. M. Total, 39.

THE CHIEF EVENT IN THE HISTORY OF THE HOUSE

Snell House has given a reception on the fourth Monday of each month, which have been largely attended by its members and friends.

BEECHER HOUSE.

Organization.—Heads, Misses ELIZABETH WALLACE and FRANCES BROWN; Counselor, Assistant Professor Frank F. Miller; House Committee, Misses Mitchell, Scofield, Williston, Wallace, and Brown.

MEMBERS.

Misses Agerter, Battis, Brown, Clark, Cornish, Crandall, Crotty, Cutler, Dawes, Farr, Foster, Gilbert, E. T., Gilpatrick, Goodspeed, Mrs. Gray, Misses Herron, Hubbard, Klock, Livingstone, McCasky, Maynard, Mitchell, Osgood, Porter, Reese, Scofield, Smith, Stanton, Sturges, Thompson, Tunnick, Van Vliet, Wallace, Wallin, Wilmarth, Williston, Wolfe, Wollpert.

TREASURER'S REPORT.

Received for guest room-rent during April, \$11.00; May, \$3.00; June, \$6.00. Total, \$20.00.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

Official receptions were held on the first Monday of each month.

On April 30, a reception was given by the House to the Serenade and Glee Club and the Base Ball Team. A portrait of Mrs. Beecher was presented to the House.

NANCY FOSTER HOUSE.

Organization.—Head, Miss MYRA REYNOLDS; Counselor, W. D. McClintock; House Committee, Laura A. Jones, Florence Walker, Mary, Scarff Spaulding, Hubbard; Entertainment Committee, Grace Jackson, Jane K. Weatherlow, Anna Beardsley, Agnes Cook, Marion Morgan; Convenience Committee, Gertrude P. Dingee, Mary Spaulding, Josephine Hutchings. The head of the House is *ex officio* member of all committees. Secretary and Treasurer, Gertrude P. Dingee.

MEMBERS.

Misses Austin, Barrett, Beardsly, Blaine, Bowen, Cook, Crafts, Daniels, Deaton, Dingee, Dougherty, Downing, Ellis, Fenelon, Foster, Freeman, Grant, Hancock, Hardy, Hill, Hopkins, Hubbard, Hutchings, Jackson, Jones, Kells, Loesch, Love, Marot, Morgan, Nelson, Niblock, Reynolds, Scarff, Schwartz, Spaulding, Stebbins, Strawn, Taylor, Teft, Walker, Weatherlow, Witt.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

Three Monday receptions; meeting of the English and Semitic Clubs; meeting of the Wellesley alumnae; private receptions given by the members of the House.

KELLY HOUSE.

Organization.—Head, Miss MARION TALBOT; Counselor, Professor J. Lawrence Laughlin; House Committee, Misses Lathe, Runyon, Pettigrew, Messick, M. E. McWilliams, Purcell; Secretary, Miss Cary.

MEMBERS (RESIDENT).

Misses Butler, Cary, Mrs. Clark, Misses Dirks, Diver, Fly, Johann, Kane, Kennedy, Lathe, McClintock, MacDougal, A. McWilliams, M. E. McWilliams, Messick, Pellett, Perkins, Pettigrew, Purcell, Robertson, Runyon, Start, Talbot, Woodward.

MEMBERS (NON-RESIDENT).

Misses Comstock, C. Hulbert, Roche, Sylla.

CHIEF EVENTS IN THE HISTORY OF THE HOUSE.

Receptions on April 9, May 14, and June 11. Address by Assistant Professor Frederick Starr. Two private parties. Weekly prayer meetings on Wednesday evenings.

REGISTRAR'S CASH STATEMENT.

FOR THE SPRING QUARTER ENDING JUNE 30, 1894.

RECEIPTS.		DISBURSEMENTS.	
Women's Commons	\$ 3,738 00	Treasurer of the University,	\$29,878 89
Examination fees	520 00		
Matriculation fees	630 00		
Tuition fees	11,590 85		
University Library fees	1,084 13		
Divinity Library fees	180 00		
University Incidental fees	1,084 12		
Divinity Incidental fees	180 00		
Room Rent, Foster Hall	\$ 997 00		
" " Kelly Hall	814 75		
" " Beecher Hall	1,391 50		
" " Snell Hall	675 26		
" " Graduate Hall	997 00		
	<hr/>		
	4,875 51		
Furniture Tax, Foster Hall	\$ 55 50		
" " Kelly Hall	46 88		
" " Beecher Hall	75 75		
" " Snell Hall	35 25		
" " Graduate Hall	164 81		
	<hr/>		
	378 19		
Divinity Hall, heat, light, and care	395 50		
University Extension	4,341 17		
Library fines	14 70		
Chemical Laboratory fees	574 86		
Biological " "	145 66		
Physical " "	70		
Affiliated School work	15 50		
Diplomas	130 00		
	<hr/>		
Total	\$29,878 89		

THE EMPLOYMENT BUREAU.

REGISTRATION.				OCCUPATIONS AND EARNINGS.		
SCHOOL.	NUMBER REGISTERED.	RECEIVED WORK.	RECEIVED NO WORK.	OCCUPATION.	NUMBER ENGAGED.	TOTAL AM'T EARNED.
Graduate,	27	20	7	Tutoring,	10	\$212 50
Colleges,	32	23	9	Public School Teaching	8	620 00
Divinity,	6	5	1	Commons Work	2	36 00
Special,	17	16	1	Building and Grounds	—	—
	<hr/>	<hr/>	<hr/>	Clerking	5	356 50
	82	64	18	Stenography and Typewriting	6	185 13
				Hotel and Housework	8	81 90
				Newspaper Correspondence,	1	100 00
				Canvassing	4	11 50
				City Directory	26	612 50
					<hr/>	<hr/>
				Total	70	\$2,216 03

MISCELLANEOUS.	
Average amount earned in each situation,	\$31.66
Number receiving more than one situation,	6
Of the 18 not receiving work:	
9 registered for some special teaching only.	
6 had not yet entered the University.	

THE STUDENT'S FUND SOCIETY.

Loans Recommended:

Report of Committee of Students' Fund Society :

Applications Received:

a) Filed in Autumn Quarter as per last report	-	-	-	-	-	-	18
b) New applications :							
1) University Colleges	-	-	-	-	-	1	
2) Academic Colleges	-	-	-	-	-	1	2
Total	-	-	-	-	-	-	20

1) Graduates	-	-	-	-	-	6	
2) University Colleges	-	-	-	-	-	1	
3) Academic Colleges	-	-	-	-	-	4	11
Applications withdrawn	-	-	-	-	-	5	
Applications rejected	-	-	-	-	-	4	
Total	-	-	-	-	-	-	20
Number of students receiving loans during the Quarter	-	-	-	-	-	-	17
Amount loaned	-	-	-	-	-	-	\$1,529.57

The University Extension Division.

NATHANIEL BUTLER, *Director.*

THE LECTURE-STUDY DEPARTMENT.

CHARLES ZEUBLIN, *Secretary.*

COURSES OFFERED DURING THE SPRING QUARTER.

III. POLITICAL SCIENCE.

MISS BROWN.

The United States ; The Making of a Nation.

MR. CONGER.

Historical and Political Geography.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.

The Ethnic Foundation of Modern Civilization.

Political Foundation of Modern Civilization.

ASSOCIATE PROFESSOR THATCHER.

The History of the Middle Ages.

Mohammed, Mohammedanism, and the Crusades.

ASSISTANT PROFESSOR GROSE.

The Political Development of the European Nations
since 1792.

The Founding of the German Empire of To-Day.
Studies in the History of Europe from the French
Revolution to the Present Time.

Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

MR. HODGIN.

American Discovery and Colonization.

American Revolutionary History.

The Great Compromises.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.

The Making of the Nation.

MR. WISHART.

Monks and Monasteries.

VI. SOCIOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.

Questions of Monopoly and Taxation.

Money.

ASSOCIATE PROFESSOR HENDERSON.

Charities and Corrections.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.

The Native Races of North America.

Prehistoric Archæology of Europe.

Evolution.

MR. ZEUBLIN.

A Century of Social Reform.

The Industrial Revolution.

English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Christianity and Social Science.

Means of Social Reform.

VIII. THE SEMITIC LANGUAGES AND LITERATURES

MR. WALKER.

The History and Institutions of Islam.

XI AND XII. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.

Homer, the Iliad.

Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

ASSISTANT PROFESSOR MILLER.

Virgil.

XIV. GERMANIC LANGUAGES AND LITERATURES.

ASSOCIATE PROFESSOR CUTTING.

Goethe.

XV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.

Ancient Tragedy for English Audiences.

Stories as a Mode of Thinking.

Spenser's Legend of Temperance.

Literary Criticism and Theory of Interpretation.

Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.

American Literature.

ASSOCIATE PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.

English Romantic Poets from 1780 to 1830.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth. A Course

Preparatory to the Study of Shakespeare.

George Meredith.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

MR. TRIGGS.

Robert Browning.

MR. HOOPER.

American Prose Writers.

American Poets.

MR. OGDEN.

English Words.

History and Structure of English Speech.

Old English Life and Literature.

American Poets and Poetry.

MISS CHAPIN.

General Survey of American Literature.

Masterpieces of English Poetry.

XVI. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR HIRSCH.

Religion in the Talmud.

The Jewish Sects.

Biblical Literature.

History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.

The Forgotten Empire and the Old Testament.

ASSOCIATE PROFESSOR THATCHER.

The Apostolic Church.

DR. KENT.

Hebrew Prophecy studied in the Light of the Minor Prophets.

Social Philosophy of the Hebrews.

Hebrew Wisdom Literature.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but excluded from, Our Bible.

MR. ROOT.

The Life of Christ.

XVIII. ASTRONOMY.

DR. SEE.

General Astronomy.

XIX. PHYSICS.

ASSISTANT PROFESSOR STRATTON.

Sound.

ASSISTANT PROFESSOR CORNISH.

Hydrostatics and Pneumatics.

MR. BELDING.

Elements of Electricity and Magnetism.

XX. CHEMISTRY.

MR. MORSE.

General Chemistry.

Chemistry of Every-day Life.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Landscape Geology.

The Evolution of the North American Continent.

XXII. ZOÖLOGY.

MR. BOYER.

Zoölogy.

MR. MOERSE.
MICROSCOPY.
The Microscope and its Uses.

German Art of the Nineteenth Century.
Art at the Columbian Exposition.

MR. SCHREIBER.
History of Art.

MR. FRENCH.
ART.
Painting and Sculpture.

MR. TAFT.
Ancient Sculpture.
Contemporary French Art.

RUSSIAN LITERATURE.

DR. HOURWICH.
Studies in Russian Literature.

*LIST OF CENTRES,
With Address of Secretaries.*

CENTRES IN CHICAGO.

All Souls—Mrs. E. T. Leonard, 6600 Ellis av.
Association—Mr. C. D. Lowry, 143 Park av.
Chicago Kindergarten Club—Miss Mary J. Miller,
2535 Prairie av.
Chicago Trade and Labor Assembly—Mr. M. R.
Grady, 478 Marshfield av.
Church of the Redeemer—Hon. S. N. Brooks, 271 War-
ren av.
Centenary—Mr. A. E. Trowbridge, 97 Laffin st.
Drexel—Mr. C. L. Clapp, 5431 Cottage Grove av.
Englewood—Rev. R. A. White, 6638 Stewart av.
Hull House—Miss Jane Addams, 335 S. Halsted st.
Hyde Park—Mr. C. H. Smith, 5313 Washington av.
Irving Park—Mrs. Ernest Pitcher.
Kenwood—Mr. Charles Loughridge, 4728 Greenwood
av.
K. A. M. Knowledge Seekers—Rev. I. S. Moses, 3131
Prairie av.
Lake View—Mr. Frank H. McCulloch, 1113 The Rook-
ery.
Leavitt Street.—Miss Nellie Dunton, 840 Adams st.
Millard Av.—Miss Jessie Stiles, 1804 W. 22d st.

Memorial—Mrs. L. A. Crandall, 4443 Berkley av.
Newberry Library—Mr. George L. Hunter, Hotel
Granada, Ohio and Rush sts.
Oakland—Mr. J. A. Burhans, 204 Oakwood Boul.
Owen Scientific—Dr. C. E. Bently, 277 State st.
Plymouth—Dr. C. E. Boynton, Hotel Everet, 3617-23
Lake av.
People's Institute—Mr. W. G. Clarke, 54 Campbell
Park.
Ravenswood—Mr. M. L. Roberts.
Robey St.—Mr. Howard E. Hall, 250 Warren av.
Sinai—Miss Rose G. Kauffman, 3313 Calumet av.
St. James—Miss Minnie R. Cowan, 2975 Wabash av.
St. Paul's—Miss Sarah Hanson, Cottage Grove av.
and 31st st.
Tracy—Mr. T. A. Dungan, 159 La Salle st.
Union Park—Dr. R. N. Foster, 553 Jackson Boul.
University—Mr. O. J. Thatcher, The University of
Chicago.
University Settlement—Dr. Max West, 4655 Grose av.
Wicker Park—Miss A. A. Deering, 23 Ewing Place.
Woodlawn—Rev. W. R. Wood, 6231 Sheridan av.

CENTRES OUTSIDE OF CHICAGO.

Aurora (Ill.)—Mrs. Agnes C. Willey.
Austin (Ill.)—Mr. S. R. Smith.
Arlington Heights (Ill.)—Mr. W. A. Newton, Box 35.
Belvidere (Ill.)—Miss Emma Feakins.
Blue Island (Ill.)—Mr. W. A. Blodgett.
Canton (Ill.)—Supt. C. M. Bardwell.
Clinton (Ia.)—Supt. O. P. Bostwick.
Detroit (Mich.)—Mr. H. A. Ford, 393 Second av.
Decatur (Ill.)—Mr. James Lindsay.
Dubuque (Ia.)—Miss E. E. Gehrig, 1036 White st.
Elgin (Ill.)—Miss Hattie B. Kneeland.
Freeport (Ill.)—Mr. J. F. Shaible.

Flint (Mich.)—Miss Emily E. West.
Galesburg (Ill.)—Pres. John H. Finley.
Galena (Ill.)—Miss Kate A. McHugh.
Geneseo (Ill.)—Mrs. W. H. Foster.
Geneva (Ill.)—Mr. H. H. Robinson.
Glencoe (Ill.)—Mrs. R. D. Coy.
Highland Park (Ill.)—Maj. H. P. Davidson.
Indianapolis (Ind.)—Miss Amelia W. Platter, 275 N.
Meridian st.
Joliet (Ill.)—Miss Eva B. Crowe.
Kalamazoo (Mich.)—Mr. S. O. Hartwell.
La Moille (Ill.)—Mr. G. R. Lewis.

- Lemont (Ill.)—Mr. S. V. Robbins, 5332 Drexel av., Chicago.
 La Salle (Ill.)—Miss Emma Werley.
 La Porte (Ind.)—Miss Bessie Hailman.
 La Fayette (Ind.)—Miss Helen Hand.
 Lincoln (Ill.)—Rev. J. S. Wrightnour.
 Maywood (Ill.)—Mr. P. W. Skemp.
 Minneapolis (Minn.)—Miss S. F. Watts.
 Moline (Ill.)—Mrs. F. W. Gould.
 Morgan Park (Ill.)—Mr. R. B. Thompson.
 Monmouth (Ill.)—Miss Mollie Wallace.
 Mt. Carroll (Ill.)—Mrs. F. S. Smith.
 Oak Park (Ill.)—Miss Virginia R. Dodge.
 Osage, (Ia.)—Rev. W. W. Gist.
 Ottawa (Ill.)—Rev. J. H. Edwards.
 Palatine (Ill.)—Miss Vashti Lambert.
 Peoria (Ill.)—Mr. W. A. Brubaker.
 Pekin (Ill.)—Miss S. Grace Rider.
 Princeton (Ill.)—Mr. R. A. Metcalf.
 Quincy (Ill.)—Mr. E. A. Clarke.
 Riverside (Ill.)—Mr. A. W. Barnum.
 Rockford (Ill.)—Mrs. G. A. Sanford, 407 N. Main st.
 Rochelle (Ill.)—Mr. C. F. Philbrook.
 Rogers Park (Ill.)—Mr. Frank Brown.
 Round Table (Kankakee, Ill.)—Mr. A. Swannell.
 Saginaw (Mich.)—Prof. W. W. Warner, 414 S. Jefferson av. E. S.
 South Bend (Ind.)—Mrs. E. G. Kettring.
 South Evanston (Ill.)—Mrs. W. M. Green.
 Springfield (Ill.)—Supt. J. H. Collins.
 Sterling (Ill.)—Mr. Curtis Bates.
 Shurtleff College (Upper Alton, Ill.)—Dr. A. A. Kendrick.
 St. Charles, (Ill.)—Prof. H. C. Wilkinson.
 Streator (Ill.)—Mr. J. E. Williams.
 Terre Haute (Ind.) State Normal School—Mr. A. R. Charman.
 Toledo (Ohio)—Miss Nellie Donat.
 Washington (Ia.)—Rev. Arthur Fowler.
 Wheaton (Ill.)—Mr. Geo. Brewster.

DISTRICT ASSOCIATIONS.

- Cook County Association—Mr. George Leland Hunter
 Hotel Granada, Ohio and Rush sts.
 Northern Illinois Association—Miss Flora Guiteau
 Freeport, Ill.

STATEMENT OF WORK OF QUARTER.

CENTRES IN CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
University Settlement	Charles Zeublin.....	English Fiction and Social Reform.....	Apr. 30	40	40	18	....
Wabash av.....	E. W. Bemis.....	Political Program of the American Federation of Labor.....	" 15	150	140	1	....

CENTRES OUTSIDE OF CHICAGO.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	Average attendance at lecture.	Average class.	No. of Weekly Papers.	No. passed Examination.
Detroit.....	R. G. Moulton.....	The Literary Study of the Bible.....	May 22	385	100	28	2
Freeport.....	Chas. Zeublin.....	English Fiction and Social Reform.....	Apr. 10	130	120	15	...
Indianapolis.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	Apr. 9	300	175	183	30
Joliet.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	Mar. 30	170	150	19	1
Osage.....	Chas. Zeublin.....	English Fiction and Social Reform.....	Apr. 19	200	180	8	...
St. Charles.....	Nathaniel Butler.....	English Literature.....	Apr. 13	100	75	....	....
Terre Haute.....	R. G. Moulton.....	Stories as a Mode of Thinking.....	Apr. 10	400	325	....	....

THE CLASS-WORK DEPARTMENT.

PLACE.	DATE OF BEGINNING.	DATE OF ENDING.	SUBJECT.	INSTRUCTOR.	NO. STUDENTS.	NO. MATRICULATIONS.
Athenæum	Jan.	June	Psychology	Dr. Mezes	5	5
Athenæum	"	"	Political Economy	Mr. Hill	5	2
University	"	"	Political Economy	Mr. Hill	14	12
University	"	"	Political Science	Mr. Wilcox	2	..
Athenæum	Apr.	"	Greek	Mr. Owen	3	..
Phoenix Building	"	"	Latin	Mr. Orr	5	..
Athenæum	"	"	Tragedy in the Shak. Drama	Prof. Moulton	6	..
Athenæum	Jan.	"	Rhetoric	Mr. Lovett	6	2
University	Apr.	"	Trigonometry	Mr. Huff	3	..
University	"	"	Geometry	Mr. Huff	4	..
University	"	"	Algebra	Mr. Huff	3	..
Athenæum	Jan.	"	Astronomy	Dr. See	3	..
Athenæum	Apr.	"	Botany	Mr. Mitchell	9	3

Total No. of Classes..... 13

Total No. of Matriculations..... 24

CORRESPONDENCE TEACHING DEPARTMENT.

Number of courses offered, 88.

ACADEMY AND ACADEMIC COURSES.

NAME OF COURSE.	INSTRUCTOR AND READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Latin.	Miss Pellett.	15	94
Greek.	Mr. Bronson.	5	25
Mathematics.	Dr. Hoover.	17	56
Pol. Economy.	Dr. West.	3	22
Rhetoric.	Mr. Lovett.	7	44
Eng. Literature.	Asst. Prof. McClintock.	12	98
Tennyson and Browning.	Mr. Triggs.	2	3
Hist. of the Middle ages.	Asst. Prof. Thatcher.	5	33
Hist. of the U. S.	Dr. Shepardson.	6	19
German.	Mr. Mulfinger.	1	1
Roman History.	Asst. Prof. Miller.	1	1

UNIVERSITY COLLEGES.

NAME OF COURSE.	INSTRUCTOR.	READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Psychology.	Asst. Prof. Strong.	Mr. Sisson.	8	16
Logic.	Asst. Prof. Tufts.	Asst. Prof. Tufts.	1	6
Latin.	Asst. Prof. Miller.	—	1	12
Bib. Lit. in Eng.	—	Mr. Woodruff.	101	25
Semitic Languages.	—	Dr. Crandall.	201	370
Arabic.	Dr. Sanders.	Dr. Sanders.	2	40
N. T. Greek.	—	Mr. Votaw.	50	186

GRADUATE AND DIVINITY COURSES.

SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS.	SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS.
Philosophy.	Asst. Prof. Tufts.	3	Mathematics.	Prof. Moore.	4
American History.	Dr. Shepardson.	1	Mathematics.	Dr. Hoover.	6
Social Science.	Assoc. Prof. Henderson.	3	Greek.	Prof. Shorey.	1
	Miss Talbot.	1	German.	Assoc. Prof. Cutting.	2
Geology.	Prof. Chamberlin.	1	Anthropology.	Asst. Prof. Starr.	1

The University Library and Libraries.

During the Spring Quarter there have been added to the Library of the University a total number of 2410 new books from the following sources:

Books added by purchase, 2149 vols.

Distributed as follows:

General Library, 307 vols.; Philosophy, 16 vols.; Political Economy, 94 vols.; Sociology, 67 vols.; Anthropology, 8 vols.; Comparative Religion, 37 vols.; Semitic, 88 vols.; New Testament, 38 vols.; Philology, 71 vols.; Greek, 9 vols.; Latin, 8 vols.; Romance, 4 vols.; German, 67 vols.; English, 106 vols.; Mathematics, 260 vols.; Physics, 56 vols.; Chemistry, 75 vols.; Geology, 90 vols.; Biology, 32 vols.; Zoology, 42 vols.; Palæontology, 47 vols.; Botany, 52 vols.; Anatomy, 13 vols.; Physiology, 36 vols.; Neurology, 41 vol.; Systematic Theology, 24 vols.; Homiletics, 31 vols.; Church History, 1 vol.; Scandinavian Dept., — vols.; Political Science, 11 vols.; Classical Department, 38 vols.; Classical Archæology, 28 vols.; Danish-Norwegian, 1 vol.; Swedish, 1 vol.; Pedagogics, 23 vols.; Elocution, 10 vols.; Psychology, 18 vols.; Astronomy, 2 vols.; History, 206 vols.; Med. History, 116 vols.

Books added by gift, 208 vols.

Distributed as follows:

General Library, 109 vols.; Political Economy, 27 vols.; Sociology, 14 vols.; Semitic, — vol.; Romance, — vols.; English 2 vols.; Geology, 23 vols.; Palæontology, 1 vol.; Elocution, 19 vols.; Classical Archæology, 1 vol.; Systematic Theol., 1 vol.; Mathematics, 2 vols.; Political Science, 1 vol.

Books added by exchange for University Publications, 63 vols.

Distributed as follows:

Journal of Political Economy, 52 vols.; Journal of Geology, 2 vols.; University Extension World, Pamphlets —; Biblical World Pamphlets.

Library Correspondence.

Total number of post-office letters sent from the Librarian's office, 517.

Letters soliciting books for review, exchange with University Publications and general business, as follows: Foreign, 62; United States, 455; Postals, 74; Gift Notices, 208 Fine notices, 87; Postals.

Money collected on Library fines for the Quarter, \$12.35.

The University Press Division.

C. W. CHASE, Director.

THE PUBLISHING DEPARTMENT.

PERIODICALS ISSUED FROM THE UNIVERSITY PRESS.

APRIL-JUNE, 1894.

THE JOURNAL OF POLITICAL ECONOMY.

Quarterly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 75 cents.

Number issued, 1,000; number of subscribers, 314; additions to subscription list during the quarter, 39.

Vol. II, No. 3, June, 1894. pp. 349-483.

Monetary Standards, by John Cummings.—*Homestead Strike*, by Edward W. Bemis; *Apprentice System in the Building Trades*, by Geo. C. Sikes.—*Pacific Railway Debts*, by Henry K. White.—NOTES.—MISCELLANIES.—*The Army of the Commonwealth*, by T. B. Veblin.—BOOK REVIEWS.—APPENDIX.

THE JOURNAL OF GEOLOGY.

Eight numbers yearly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 50 cents.

Number issued, 600; number of subscribers, 282; additions to subscription list during the quarter, 25.

Vol. II, No. 3, April-May, 1894. pp. 243-346.

The Oil Shales of the Scottish Carboniferous System, by Henry M. Cadell.—*The Cretaceous Rim of the Black Hills*, by Lester F. Ward.—*On Diplograptidae*, Lapworth, by Carl Wiman.—*Geological Surveys in Alabama*, by Eugene Allen Smith.—*The Superficial Alteration of Ore Deposits*, by R. A. F. Penrose, Jr.—STUDIES FOR STUDENTS: *Erosion, Transportation and Sedimentation Performed by the Atmosphere*, by J. A. Udden.—EDITORIALS.—REVIEWS: *Geological Survey of Georgia*, by J. W. Spencer.—*Annual Report of the Geological Survey of Arkansas for 1890. Volume IV., Marbles and Other Limestones*, T. C. HOPKINS, by R. A. F. Penrose, Jr.—ACKNOWLEDGMENTS.

Vol. II, No. 4, May-June, 1894. pp. 347-454.

The Norwegian Coast Plain, Hans Reusch.—*Glacial Canons*, W. J. McGee.—*Fossil Plants as an Aid to Geology*, by F. H. Knowlton.—*Wave-like Progress of an Epeirogenic Uplift*, Warren Upham.—*The Occurrence of Algonkian Rocks in Vermont and the Evidence for their Subdivision*, Charles L. Whittle.—EDITORIALS.—REVIEWS: *The Lafayette Formation*, W. J. MCGEE, by J. W. Spencer.—*Elementary Meteorology*, Wm. M. DAVIS, by H. B. Kummel.—ANALYTICAL ABSTRACTS ON CURRENT LITERATURE: *Summary of Pre-Cambrian North American Literature*, by C. R. Van Hise.

THE BIBLICAL WORLD.

Monthly. 8vo. \$2.00 per year. Foreign countries \$2.50. Single Copies, 20 cents.

Number issued, 2,500; number of subscribers, 1,624; additions to subscription list during the quarter, 335.

Vol. III, No. 4, April 1894. pp. 241-320.

EDITORIALS.—*The Faith of Jesus*, by Rev. T. C. Hall.—*Jesus Christ and Gautama Buddha as Literary Critics*, by Rev. F. F. Kramer.—*How Much do I Study the Bible and How?* by Rev. J. L. Withrow, Rev. O. P. Gifford.—*The Fratricide: The Cainite Civilization, Genesis IV.*, by Wm. R. Harper.—*The Attitude of the Christian Toward the Higher Criticism of the Bible*, by Prof. L. W. Batten.—*The Bearing of Criticism on Edification*, by Rev. Prof. T. K. Cheyne.—COMPARATIVE-RELIGION NOTES: *An Exhibition of Religions in Japan.—Islam as a Civilizer in Africa.* THE BIBLE IN THE SUNDAY SCHOOL: *The Real Purpose of the Sunday School*, Prof. G. M. Forbes, Rev. W. C. Bitting.—EXPLO- RATION AND DISCOVERY: *The Latest Discovery from the Egyptian Fayum*, Jas. H. Breasted.—NOTES AND OPINIONS.—SYNOPSIS: *The Second Jeremiah*, G. H. Skipwith.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. III, No. 5, May, 1894. pp. 321-400.

EDITORIAL.—*The Long-lived Antediluvians, Genesis V.*, by Wm. R. Harper.—*A Free Translation of the Sermon on the Mount*, by Rev. E. P. Burt.—*Christianity and Old Testament Criticism*, by W. Taylor Smith.—*Hinduism's Points of Contact with Christianity. III The Creation*, by Merwin Marie Snell.—THE BIBLE IN THE SUNDAY SCHOOL: *Suggestions for Improvement in Sunday School Work*, by Rev. W. G. Fennell.—EXPLO- RATION AND DISCOVERY: *The New-found Treasure of the Twelfth Dynasty*, by James H. Breasted.—NOTES AND OPINIONS.—SYNOPSIS OF IMPORTANT ARTICLES.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. III, No. 6, June, 1894. pp. 401-480.

EDITORIAL.—*The Excavations at Sendschirli and Some of their Bearings on the Old Testament*, by Prof. Morris Jastrow, Jr.—*How Much Do I Study the Bible, and How?* by Rev. Prof. S. Burnham and Rev. W. H. P. Faunce.—*Christological Implications of the Higher Criticism*, by Rev. Prescott F. Jernegan.—*A Hebrew Political Romance*, by James A. Duncan.—*The "Sufficient Reason" for Isaiah XL-LXVI*, by Rev. T. S. Potwin.—*The Sons of God and the Daughters of Men, Genesis VI*, by

William R. Harper.—COMPARATIVE-RELIGION NOTES.—EXPLORATION AND DISCOVERY: *The Newly Discovered Latin Translation of the Epistle of Clement*, by James Henry Breasted.—THE BIBLE IN THE SUNDAY SCHOOL: *The Spiritual Value of Inductive Bible Study*, by Rev. E. M. Poteal.—NOTES AND OPINIONS.—THE BIBLE STUDENT'S READING GUILD OF THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

THE UNIVERSITY EXTENSION WORLD.

Monthly. 8vo. \$1.00 per year, postage prepaid. Single numbers, 10 cents.

Number issued, 1,000; number of subscribers, 122; additions to subscription list during the quarter, 20.

Vol. III, No. 4, April, 1894. pp. 99-131.

Frontispiece, Arnold Toynbee.—EDITORIAL.—*Social Settlements in the United States*, by Henry B. Learned.—*The University of Chicago Settlement*, by Oliver J. Thatcher.—*Yale Lectures to Mechanics*, by W. H. Brewer.—BY THE WAY.—LONDON CORRESPONDENCE.—HERE AND THERE AMONG THE WORKERS.—*Evening and Saturday Classes*.—UNIVERSITY EXTENSION LITERATURE.—*Conspectus of Lecture-Studies given by the University of Chicago, in the Winter Quarter, 1894*.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

Vol. III, No. 5, May, 1894. pp. 133-162.

EDITORIAL.—*University Extension Conference*.—*University Extension Work in Dubuque*, by S. W. Hetherington.—*University Extension Work in Pekin*, by Grace Rider.—*The Written Exercises*, by F. W. Shepardson.—LONDON CORRESPONDENCE.—*University Extension Credits*.—*University Extension Congress, London, 1894*.—HERE AND THERE AMONG THE WORKERS.—UNIVERSITY EXTENSION LITERATURE.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

Vol. III, No. 6, June, 1894. pp. 163-193.

EDITORIAL.—*University Extension in Indianapolis*, by Amelia W. Platter.—*School Extension Work in Japan*, by E. W. Clement.—*The Lecturer and His Opportunity*, by Francis W. Shepardson.—*A Specimen Weekly Paper*, by Mrs. N. K. Fairbank.—BY THE WAY.—HERE AND THERE AMONG THE WORKERS.—UNIVERSITY EXTENSION LITERATURE.—LOCAL CENTRES AND SECRETARIES IN THE NORTH-WEST.

BOOKS AND PAMPHLETS PUBLISHED.

HARPER, ROBERT FRANCIS: *Assyrian and Babylonian Letters belonging to the K Collection of the British Museum. Part II.* pp. 117-228+zv. Price, \$7.00. Luzac & Co., London.

THE BOOK, PURCHASE, AND SALE DEPARTMENT.

QUARTER ENDING JULY 1, 1894.

1. Books purchased for the University, classified according to departments:

Philosophy, \$68.58; Political Economy, \$129.60; Political Science, \$159.07; History, \$704.37; Sociology, \$96.55; Anthropology, \$24.53; Comparative Religion, \$6.04; Sinai-Semitic Fund, \$108.79; Sanskrit and Comparative Philology, \$205.19; Greek, \$47.04; Latin, \$20.78; German, \$70.66; English, \$263.58; Biblical Literature, \$86.93; Mathematics, \$731.32; Astronomy, \$26.15; Physics, \$57.89; Chemistry, \$13.44; Geology, \$430.14; Botany, \$190.78; Zoology, \$167.73; Palaeontology, \$121.33; Anatomy, \$62.70; Physiology, \$162.34; Neurology, \$36.08; Elocution, \$50.03; Classical Archaeology, \$194.95; General Biology, \$147.90; Systematic Theology, \$27.12; Homiletics, \$38.76; Church History, \$10; Pedagogy, \$23.49; Athletics, \$1.75; Swedish Language, \$44.95; Danish-Norwegian, \$1.25; Morgan Park Academy, \$138.82; University Extension Loan Library, \$2.50; General Library, \$201.18. Total, \$4,900.36.

2. Apparatus purchased, classified according to departments:

Astronomy, \$19.76; Physics, \$2,796.92; Chemistry, \$3,393.47; Geology, \$500.53; Botany, \$12.15; Zoology, \$52.57; Palaeontology, \$33.24; Anatomy, \$31.37; Physiology, \$142.54; Neurology, \$14; Morgan Park Academy, \$87.79. Total, \$7,084.34.

3. Supplies purchased and classified according to a) Departments:

Anthropology, \$4.50; Comparative Religion, \$1.45; Romance, \$.26; Mathematics, \$.90; Physics, \$90.44; Chemistry, \$56.18; Zoology, \$49.19; Palaeontology, \$15.29; Anatomy, \$21.51; Physiology, \$51.92; Neurology, \$2.60; Morgan Park Academy, \$2.70. Total, \$296.94.

b) Offices:

President's, \$22.49; Dean's, \$10.00; Secretary's, \$9.96; Registrar's, \$43.76; Examiner's, \$8.86; Recorder's, \$1.55; University Extension, \$27.53. Total, \$125.14.

4. Books and Stationery purchased for the Book-store, \$3,091.86.

5. Books and Stationery sold through the Book-store, \$3,327.90.

6. Expenses for quarter for salaries: manager, book-keeper, stenographer, and clerks—Total for department, \$1,407.91.

The University Affiliations.

REPORT FOR SPRING QUARTER, 1893.

DES MOINES COLLEGE.

(DES MOINES, IOWA)

HERBERT LEE STETSON, *President.*

List of Instructors, with Number and Character of Courses:

Blakslee, T. M. 2 M. (Solid Geometry); 1 M. (Algebra and Trigonometry); 1 M. (Algebra).
1 M. (Elementary Algebra); 1 MM. (Elementary Algebra).
Goodrich, H. L. 1 M. (English Literature); 1 M. (English Grammar); 2 DM. (Grammar); 5 weekly classes in Rhetoricals.
Harris, F. E. 2 MM. (Anabasis); 1 M. (Greek Prose); 1 M. (Odyssey); 1 MM. (Herodotus).
Johnson, H. P. 2 DM. (Botany); 2 DMM. (Zoology).
Plimpton, W. M. 1 MM. (Human Physiology).
Price, A. B. 1 M. (Virgil); 1 DM. (Latin Prose); 2 MM. (Cæsar); 1 M. (Cicero's Orations).
Stetson, H. L. 1 M. (History of England); 1 M. (History of Rome); 1 M. (Apologetics); 1 MM. (Apologetics); 1 DMM. (Mental Philosophy); 1 M. (Ethics); 1 M. (Political Science).
Stephenson, J. P. 1 M. (Biblical Literature); 1 DM. (Demosthenes); 1 M. (English Composition); 4 weekly classes in Rhetoricals.
Stephenson, F. T. 1 DM. (Representative Plays of Shakespeare); 1 DM. (Introductory to English Literature).
Schoemaker, D. M. 1 M. (German); 2 M. (German—elementary); 1 M. (German Prose Composition).
Wheeler, F. R. 1 DM. (Algebra); 1 DM. (Arithmetic); 1 M. (Arithmetic); 1 M. (Civics).

Departments:

NO. OF COURSES.	STUDENTS.
Philosophy: 5 (DMM.; 1 MM.; 2 M.);	13
Sociology: 2 (1 DM.);	6
Latin: 6 (2 MM.; 1 DM.; 2 M.);	34
Greek: 8 (2 MM.; 4 M.);	23
Math.: 11 (1 MM.; 2 DM.; 6 M.);	27
History: 2 (2 M.);	31
English: 12 (4 DM.; 4 M.);	100
9 weekly Rhetorical Classes.	
German: 4 (1 DM.; 2 M.);	19
Political Science: 2 (2 M.);	20
Botany: 2 (2 M.);	7
Biology: 3 (2 DMM.; 1 MM.);	15

States and countries from which students have come
Iowa; Illinois; Kansas; Missouri; Nebraska;
Wyoming; Prince Edward's Island, and Persia.

Number of Students:

Enrolled during Spring Quarter, 104.
Entering at beginning of Spring Quarter, 7.
Attendance for the year, 188.

Distribution of Students leaving:

Year closed with Spring Quarter for a vacation
of 13 weeks.

Degrees conferred, 4—2 A.B., 2 Ph.B.

MORGAN PARK ACADEMY.

(MORGAN PARK)

GEORGE NOBLE CARMAN, *Dean.*

List of Instructors, with Number and Character of Courses:

Burgess, I. B. 1 M. (Cæsar); 1 DM. (Virgil); 1M. (Viri Romæ); 1 M. (Latin Composition); 1 M. (Latin Reading).
Robertson, L. 1 MM. (Intermediate German); 1 MM. (Elementary German).
Cornish, R. H. 1 DM. (Physics); 1 DM. (Botany).

Bronson, F. M. 1 MM. (Adv. Greek); 1 MM. (Beg. Greek); 1 M. (Adv. Greek); 1 M. (Roman History).
Caldwell, E. L. 1 M. (Geometry); 1 MM. (Solid Geometry); 1M. (Algebra); 1 DM. (Beg. Latin).
Chase, W. J. 1 DM. (English); 1 M. (U. S. History); 1 DM. (History); 1 DM. (Geography).
Carman, G. N. 1 DM. (English); 1 DM. (General History).

Departments :

NO. OF COURSES.	STUDENTS.
History : 6 (2 DM.; 2 M.);	63
Greek : 5 (2 MM.; 1 M.);	8
Latin : 9 (2 DM.; 5 M.);	81
German : 4 (2 MM.);	28
English : 4 (2 DM.);	37
Mathematics : 4 (1 MM.; 2 M.);	26
Science : 4 (1 DM.);	21
Geography : 2 (1 DM.);	11

States and Countries from which Students have come :

Alabama, 1; Arkansas, 1; California, 1; Illinois, 54; Indiana, 2; Iowa, 8; Michigan, 3;

Mississippi, 1; Missouri, 4; Montana, 2; Nebraska, 2; New York, 2; Ohio, 3; Pennsylvania, 1; South Dakota, 1; Texas, 2; Virginia, 1; Washington, 1; Wisconsin, 6; Hawaii, 1.

Number of Students :

Enrolled Spring Quarter, 101.
Discontinuing at end of Spring Quarter, 69.
Entering at beginning of Summer Quarter, 26.
Attendance for Current Quarter, 58.

Distribution of Students leaving :

Temporarily, 62. Permanently, 2.
Changing School, 2. Entering College, 3.

THE HARVARD SCHOOL.

(CHICAGO.)

JOHN J. SCHOBINGER, *Dean.*

List of Instructors, with Number and Character of Courses :

	NO. OF COURSES.	STUDENTS.
Emery, S. 1 M. (History U.S.); 1 M. (English History); 1 M. and 1 DM. (Cæsar); 1 DM. (Virgil); 1 DM. (Algebra); 1 DM. (Pl. Geom.); 1 M. (Sol. Geom.); 1 M. (Trigonometry).	History : 7 (2 DM.; 3 M.); Greek : 10 (1 MM.; 4 DM.); Latin : 23 (3 DMM.; 5 DM.; 1 M.); French : 8 (1 MM.; 3 DM.); German : 6 (1 MM.; 2 DM.); English : 8 (3 M.; 3 DM.; 2 M.); Math.: 16 (6 DM.; 1 MM.; 2 M.); Science : 6 (3 DM.);	47 35 90 16 13 76 100 36
Ford, W. H. 2 M. (English); 1 MM. (Beginners' Greek); 1 DMM. (Beg. Latin); 1 DM. (Virgil); 1 MM. (Algebra); 1 M (United States History).		
Grant, J. C. 1 DMM. (Beg. Latin); 1 DMM. (Cæsar).		
Heinrichs, Miss C. L. 1 DM., 1 MM. (1st year German); 1 DM. (2d year German).		
Leland, S. 1 DM. (English); 1 DM. (Xenophon's Anabasis); 1 DM. (Homer); 1 DM. (Greek History); 1 DM. (Cæsar); 1 DM. (Cicero).		
Liebard, L. 1 MM. and 1 DM. (Beg. French); 1 DM. (2d year French); 1 DM. (3d year French).		
Lyon, E. P. 2 DM. (English); 2 DM. (Arithmetic); 2 DM. (Element. Science).		
Schobinger, J. J. 1 DM. (Pl. Geom.); 1 DM. (Algebra); 1 DM. (Physics).		

States from which Students have come :
Illinois, 98; Ohio, 1; Indiana, 1.

Number of Students :

Enrolled Spring Quarter, 100.
Year closed with Spring Quarter for a vacation of 12 weeks.

Distribution of Students leaving :

Permanently, 0. Temporarily, 0.
Changing school, 0. Entering college, 16.

THE CHICAGO ACADEMY.
(CHICAGO)

CHARLES W. MANN, *Dean*.

Departments:

No. OF COURSES.	STUDENTS.
History : 2 (1 DM.; 1 M.);	14
Latin : 3 (3 DM.);	14
French : 2 (1 DM.; 1 DMM.);	14
German : (1 DM.);	4
English : (1 DM.);	7
Mathematics : 1 (1 DM.);	4 (7)
Chemistry : (1 DM.);	6

INTRODUCTORY YEAR.

English : (1 DM.);	5
Mathematics : (1 DM.);	5
History : (1 DM.);	5

Home Address of Students : Chicago, 46
Illinois, outside Chicago, 1—47

Number of Students :

Enrolled Spring Quarter, 47.

Distribution of Students Leaving :

Entering College, 3.

List of Instructors, with Number of Courses :

Aeshleman, L. 1 MM. (Adv. French); 1 DM. (Beg. French); 1 DM. (Intermediate German); 1 M. (French Reading).

Jaquish, B. M. 1 DM. (Chemistry); 1 DM.; (Arithmetic); 1 DM. (English); 1 DM. (U.S. History).

Mann, C. W. 1 DM. (English); 1 DM. (Algebra); 1 M. (French Reading).

Orr, C. A. 1 DM. (Virgil).

Rogers, A. K. 1 DM. (Beg. Latin); 1 DM. (Cæsar).

KENWOOD INSTITUTE.
(CHICAGO)

JOHN C. GRANT, *Dean*.

Departments:

No. OF COURSES.	STUDENTS.
History : 10 (5 DM.);	37
Greek : 6 (3 DM.);	5
Latin : 8 (4 DM.);	30
French : 6 (3 DM.);	27
German : 4 (2 DM.);	8
English : 6 (3 DM.);	20
Mathem. : 10 (5 DM.);	40
Science : 2 (1 DM.);	7

States represented :

California, 2; Illinois, 51; Indiana, 2; Iowa, 2;
North Carolina, 1; New York, 2; Texas, 1.

Number of Students :

Enrolled Winter Quarter, 65.
Discontinuing at beginning of Spring Quarter, 2.
Entering at beginning of Spring Quarter, 4.
Attendance for current Quarter, 67.

Distribution of Students leaving :

Permanently, 1. Temporarily, 1.
Changing school, 0. Entering college, 0.

List of Instructors, with Number and Character of Courses :

Butts, Miss A. E. 1 DM. (History of Art).

Clement, E. W. 3 DM. (English); 1 DM. (Xenophon's Anabasis); 1 DM. (Virgil).

Faulkner, Miss E. 1 DM. (Beg. Greek); 2 DM. (Beg. Latin); 1 DM. (Cæsar); 1 DM. (History of Greece).

Schmitt, Miss E. 3 DM. (French); 2 DM. (German).

Sherwood, Miss T. History : 1 DM. (Greece); 1 DM. (Engl.); 1 M. and 1 DM. (Unit. States).

Stone, Miss C. L. 2 DM. (Arithm.); 1 DM. (Elem. Physics).

Wedgewood, Miss M. 1 DM. (English); 1 DM. (Algebra); 1 DM. (Geometry).

PART II.—ANNOUNCEMENTS.

The University in General.

THE AUTUMN CONVOCATION AND THE UNIVERSITY UNION.

THE AUTUMN CONVOCATION.

September 29, *Saturday*.

8:30 A.M. to 1 P.M. and 2:00 P.M. to 4:30 P.M.,
Matriculation of Incoming Students.
(Incoming students will find it to their
advantage to consult with their Dean
before the formal opening of the Quar-
ter.)

September 30, *Sunday*.

4:00 P.M., Vesper Service. Address by the
President.
Theatre, Kent Chemical Laboratory.

October 1, *Monday*.

8:30 A.M. to 12:30 P.M., Matriculation and
Registration of Incoming Students.
12:30 P.M., Second anniversary of first chapel
exercise. *Chapel, Cobb Lecture Hall.*
2:30 P.M., Business meeting of the Divinity
Alumni. *Chapel, Cobb Lecture Hall.*
4:00 P.M., Autumn University Convocation.
The University Quadrangle. Address
by the REVEREND JOHN HENRY
BARROWS, D.D., Professorial Lecturer
in the University of Chicago.
8:00 P.M. to 11:00 P.M., Reception to the
Divinity Alumni and the visiting
clergymen.
Chapel, Cobb Lecture Hall.

October 2, *Tuesday*.

8:30 A.M., The lectures and recitations of
the Autumn Quarter begin.
10:00 A.M., Conference of the Divinity
Alumni and visiting clergymen.
Chapel, Cobb Lecture Hall.
3:30 P.M., Service in memory of PROFESSOR
E. G. ROBINSON and ASSISTANT PRO-
FESSOR B. F. SIMPSON.
Theatre, Kent Chemical Laboratory.

October 3, *Wednesday*.

10:00 A.M., Conference of the Divinity
Alumni and visiting clergymen.
Chapel, Cobb Lecture Hall.
1:00 P.M., Luncheon to the Divinity Alumni
and visiting clergymen given by the
Divinity Faculty.
3:00 P.M., Meeting of the Theological
Union. Report of the President; elec-
tion of officers.
(Place to be announced.)

AUTUMN MEETING OF THE UNIVERSITY UNION

Will be held on Friday, November 9, at 8:00 P.M., in
Theatre, Kent Chemical Laboratory. The programme
will be announced in the *Weekly Bulletin*.

PRIZES.

THE HIRSCH SEMITIC PRIZE.

The *Hirsch Semitic Prize* of \$150.00 is awarded each year for the best paper prepared by a student at the University upon a Semitic subject. The next papers are to be submitted on January 1, 1895. The subjects on which competitors may write are the following:

- 1) The Language of the Assyrian Historical Inscriptions to be treated by Periods.
- 2) The Syntax of the Imperfect in the Semitic Languages.
- 3) The Editing of an Arabic or Syriac Manuscript, or of an Assyrian or Babylonian Text.
- 4) The Hebrew Sabbath.

THE BASTIN PRIZE.

The *Ellen B. Bastin Prize* of not less than \$50.00, offered by the Philosophy and Science department of the Chicago Woman's Club, is to be given to the woman studying at the University of Chicago who presents the best paper embodying the results of her own original research in any of the Natural Sciences. Papers presented in competition are to be handed to the Dean of Women.

WALKER PRIZES IN NATURAL HISTORY.

By the provisions of the will of the late Dr. William Johnson Walker, two prizes are annually offered by the *Boston Society of Natural History* for the best memoirs written in the English language on subjects proposed by a committee, appointed by the Council.

For the next best memoir, a prize not exceeding fifty dollars may be awarded.

Prizes will not be awarded unless the memoirs presented are of adequate merit.

The competition for these prizes is not restricted but open to all.

Each memoir must be accompanied by a sealed envelope enclosing the author's name and superscribed with a motto corresponding to one borne by the manuscript, and must be in the hands of the Secretary on or before April 1, of the year for which the prize is offered.

Subjects for 1895:

- (1) A study of the "Fall line" in New Jersey.
- (2) A study of the Devonian formation of the Ohio basin.
- (3) Relations of the order Plantaginaceæ.
- (4) Experimental investigations in morphology or embryology.

Subjects for 1896:

- (1) A study of the area of schistose or foliated rocks in the eastern United States.
- (2) A study of the development of river valleys in some considerable area of folded or faulted Appalachian structure in Pennsylvania, Virginia, or Tennessee.
- (3) An experimental study of the effects of close fertilization in the case of some plant of short cycle.
- (4) Contributions to our knowledge of the general morphology or the general physiology of any animal except man.

NOTE.—In all cases the memoirs are to be based on a considerable body of original work, as well as on a general view of the literature of the subject.

SAMUEL HENSHAW, *Secretary.*

Boston Society of Natural History,
BOSTON, MASS., U. S. A.

THESES AND EXAMINATIONS.

DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.

Students who are candidates for the higher degrees at the January Convocation will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit their thesis, the subject of

which has already been approved, in written form to the Head or Acting Head of the Department, on or before Saturday, September 22.

2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before Thursday, November 1.

3. Students who are candidates for the degree of Bachelor of Divinity or Bachelor of Theology must submit their thesis on or before Saturday, September 22.
4. In all cases the applicants will present in writing to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

**CANDIDATES FOR THE DEGREES OF
A.M. OR S.M.**

are notified that Saturday, October 20, 1894, is the last day for handing in theses for the degrees to be conferred at the January Convocation.

HOLIDAYS AND OTHER SPECIAL DAYS.

The Summer Quarter closes on Saturday, September 22, with a recess from September 23 to 30.

The Autumn Quarter begins on Monday, October 1.

REGISTRATION AND SPECIAL EXAMINATIONS.

Saturday, September 1, is the last day for students in residence to hand in their registration cards for the Autumn Quarter.

Students entering the University for the first time or resuming work after an absence of a term or a longer period must register on or before Monday, October 1, 1894.

Examinations at other than the regular dates may be given only at the University by special permission of the Examiner and upon the payment of a fee of not less than \$10.00 nor more than \$15.00.

QUARTERLY EXAMINATIONS.

The Quarterly examinations for the current Summer Quarter will be held September 19-21. One half day will be devoted to each exercise, in the order of the daily programme, as seen in the following scheme :

EXERCISE.	EXAMINATION.
8:30 A.M.	Wednesday, September 19, A.M.
9:30 A.M.	Wednesday, September 19, P.M.
10:30 A.M.	Thursday, September 20, A.M.
11:30 A.M.	Thursday, September 20, P.M.

EXERCISE.

2:00 P.M. Friday,
3:00 P.M. Friday,

EXAMINATION.

September 21, A.M.
September 21, P.M.

Exercises occurring at or after 4:00 P.M. will have their examinations on Saturday, September 22.

The hours of the morning examinations will be from 9 to 12, of the afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

CIRCULARS OF INFORMATION.

The Circulars of Information which are reprints of certain portions of the UNIVERSITY REGISTER will be sent upon application.

The Circular of Information concerning THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE contains in Part I. a statement of the dates upon which various University events occur, a list of departments of instruction, the terms of admission to the *Graduate School*, conditions of candidacy for the degrees of master of

arts, master of science, master of philosophy and doctor of philosophy; statements concerning University fellowships, special fellowships, graduate scholarships, and docentships, the method of application for the same, statements concerning theses and examinations, departmental journals and other departmental publications, regulations governing the selection of courses, non-resident work, rooms and fees. Part II. of the circular describes the organization of the

Colleges, contains the regulations governing the admission of students to advanced standing, the admission of unclassified students, the selection of courses, average annual expenses, the students' fund society, the employment bureau, scholarships, the conditions of candidacy for the degrees of bachelor of arts, bachelor of philosophy, and bachelor of science, the requirements for admission to the Academic Colleges, the regulations governing the examinations for admission, and the courses of study in the Academic Colleges. Part III. contains a list of the courses offered for the current year in the Graduate School and the University College of Arts and Literature, the Ogden (Graduate) School of Science, and University College of Science, and the Academic Colleges, together with the order of examinations for admission.

The Circular of Information for THE DIVINITY SCHOOL contains an historical statement, a list of the officers of government and instruction, a list of courses for the current year in the Graduate Divinity School, the English Theological Seminary, the Danish-Norwegian Theological Seminary, and the Swedish Theological Seminary; articles upon the purpose and constituency of the Divinity School, the terms of admission, the departments of instruction, regulations governing the selection of courses, conditions of candidacy for degrees or certificates, theses and examinations, the library, fellowships, opportunities for religious work, special regulations, expenses and opportunities for self-help, together with a list of the students in the various departments.

The Circular of Information for THE UNIVERSITY EXTENSION DIVISION is issued in three separate parts. Part I. relates to the work of the *Lecture-study Department*. It contains (1) information relating to the general plan of University Extension

lecture-studies and to the credit extended for the work done, directions in reference to organization, information as to expenses of the courses of lectures, and other information helpful to local Committees in organizing and promoting the work of University Extension in their towns; (2) a list of the lecturers, with a full statement of the subjects of their courses, and also of the separate lectures included in each course.

Part II. relates to the work of the *Correspondence-teaching Department*. It contains (1) general information relating to the purpose and method of instruction offered by Correspondence, the relation of Correspondence students to the University, the credit which they receive for the work, and other information for the guidance of those who desire to receive University instruction by Correspondence; (2) courses of instruction offered in this Department.

Part III. relates to the work of the *Class-work Department*. It contains (1) general information as to the aim, method, and organization of the work, the relation of Class-work students to the University, the regulation for examinations, the credit for the work done, and the regulations governing the selection of courses; (2) a full statement of the classes organized and the work offered in the Class-work Department of the University Extension Division.

THE UNIVERSITY ACADEMY at Morgan Park also issues a CALENDAR, which will be sent upon application, giving a list of the officers of government and instruction, and containing information in regard to the requirements for admission, the courses of study, average expenses, scholarships, self-help, the dormitories, special regulations, together with a description of the buildings and grounds and a list of the students in attendance during the current year.

The University (Proper).

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

JULY 1, 1894, TO JULY 1, 1895.

NOTE.—The following is a list of the titles of courses to be given in the University from July 1, 1894, to July 1, 1895.

For a complete description of the courses consult the **ANNUAL REGISTER** and the **DEPARTMENTAL PROGRAMMES**. The number of each course in the **REGISTER** is indicated by the number in parentheses following the title of the course.

The hour of the exercise is indicated after the course. In case no hour is indicated it will be arranged when the class is formed. The days on which exercises are held will be designated by the instructor.

* Courses marked by a star are intended exclusively or primarily for Graduate Students.

ABBREVIATIONS.—A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K=Kent Chemical Laboratory, R=Ryerson Physical Laboratory, W=Walker Museum.

The abbreviations used in the descriptions of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Autumn Quarter on or before September 1; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signature of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before September 1.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before October 1, 1894. Registration after this date may be secured only, (1) by special permission granted by the Dean and (2) after the payment of a special fee of five dollars.

THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGE OF ARTS AND LITERATURE.

1. PHILOSOPHY.

R, and C 13-17.

Summer Quarter.

HEAD PROFESSOR DEWEY.

Psychological Ethics. DM. (16) 9:30

Seminar Methods of Psychological Observation.
DM. (17) 11:30

ASSOCIATE PROFESSOR TUFTS.

Psychology. James, and Dewey, *Psychologies*, with lectures and demonstrations. DM. (2a) 10:30

History of Modern Philosophy. Windelband, *History of Philosophy*, with especial study of Locke, Hume, and Kant. DM. (4b) 8:30

Autumn Quarter.

HEAD PROFESSOR DEWEY.

Seminar. Introduction to contemporary metaphysical thought. DM. (12) 10:30

The Logic of Ethics. DM. (13) 9:30

ASSOCIATE PROFESSOR TUFTS.

General History of Philosophy. DM. (4) 10:30

Seminar in English Philosophy. DM. (6) 2:00

Philosophical German (7), with Course 6.

ASSISTANT PROFESSOR ANGELL AND DR. ———

Experimental Psychology. Training course. DM. (19) 8:30

Experimental Psychology. Research course. DM. (20)

ASSISTANT PROFESSOR MEAD.

Comparative Psychology. DM. (21) 11:30

Logic. DM. (5) 9:30

Winter Quarter.

ASSOCIATE PROFESSOR TUFTS.

General History of Philosophy. DM. (4)

Seminar in English Philosophy. DM. (6)

Philosophical German (7), with Course 6.

ASSISTANT PROFESSOR ANGELL AND DR. ———

Experimental Psychology. Training course. DM. (19)

Experimental Psychology. Research course. DM. (20)

Psychology. DM. (2)

ASSISTANT PROFESSOR MEAD.

Comparative Psychology. DM. (21)

Methodology of Psychology. DM. (22)

Spring Quarter.

ASSOCIATE PROFESSOR STRONG.

Recent Psychological Theories. DM. (23)

Morbid Psychology. M. (24) First Term.

Psychology in its relations with Philosophy. M. (25) Second Term.

ASSOCIATE PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century. M. First Term. (4a) This course forms the conclusion of the General History of Philosophy, but it may be taken separately by those who have had Courses 1-3.

Seminar in English Philosophy. M. (6) First Term.

Philosophical German (7), with Course 6. First Term.

ASSISTANT PROFESSOR ANGELL AND DR. ———

Experimental Psychology. Training course. DM. (19)

Experimental Psychology. Research course. DM. (20)

ASSISTANT PROFESSOR MEAD.

Philosophy of the Concepts of Matter and Motion in the Physical Sciences. DM. (11)

Introduction to Philosophy. DM. (3)

II. POLITICAL ECONOMY.

C 3-8.

Summer Quarter.

PROFESSOR MILLER.

Principles of Political Economy. DM. (1) 8:30

History of Political Economy. DM. (5) 11:30

MR. HILL.

Railway Transportation. DM. (12) 3:00

Tariff History of the United States. DM. (13) 2:00

DR. CALDWELL.

Economic Factors in Civilization. DM. (6) 9:30

Scope and Method of Political Economy. DM. (3) 3:00

DR. HOURWICH.

Statistics. DM. (10) Mondays and Fridays, 10:30-12:30

Autumn Quarter.

HEAD PROFESSOR LAUGHLIN.

*Economic Seminar. DM. (21) 3:00

Money and Practical Economics. DM. (9) 11:30

PROFESSOR A. C. MILLER.

Finance. DM. (15) 3:00

Seminar in Finance. DM. (20) 4:00

PROFESSOR MILLER AND MR. HILL.

Principles of Political Economy. 8:30

PROFESSOR MILLER AND DR. CUMMINGS.

History of Political Economy. DM. (5) 9:30

MR. HILL.

Tariff History of the United States. DM. (13) 2:00

DR. VEBLEN.

Socialism. DM. (7) 10:30

DR. CUMMINGS.

Social and Economic Ideals. DM. (7) 8:30

DR. HOURWICH.

Statistics. DM. (10) 9:30

Winter Quarter.

HEAD PROFESSOR LAUGHLIN.

*Economic Seminar. DM. (21) 3:00

Money and Practical Economics. DM. (9) 11:30

PROFESSOR A. C. MILLER.

Economic and Social History. DM. (2) 9:30

*Seminar in Finance. DM. (20). 4:00

PROFESSOR MILLER AND MR. HILL.

Advanced Political Economy. DM. (1a) 8:30

PROFESSOR MILLER AND MR. CUMMINGS.

Scope and Method of Political Economy. DM (3) 3:00

MR. HILL.

Railway Transportation. DM. (12) 2:00

DR. VEBLEN.

Socialism. DM. (7) 10:30

MR. CUMMINGS.**Descriptive Political Economy. DM. (1b) 8:30****DR. HOUWICH.****Advanced Statistics. DM. (11) 9:30***Spring Quarter Revised.***HEAD PROFESSOR LAUGHLIN.*****Economic Seminar. DM. (21) 3:00****Unsettled Problems of Economic Theory. DM. (4) 11:30****PROFESSOR MILLER.****Economic and Social History. DM. (2) 8:30****Financial History of the United States. DM. (14) 9:30****MR. HILL.****Banking. DM. (17) 2:00****Oral Debates. DM. (19) 3:00****DR. VEBLEN.****American Agriculture. DM. (16) 10:30****DR. CUMMINGS.****Social Economics. DM. (8A) 3:00****DR. HOUWICH.****Advanced Statistics. DM. (11) Mondays and Fridays. 10:30-12:30****III. POLITICAL SCIENCE.****C 1, 9, 10, 12.***Summer Quarter.***HEAD PROFESSOR JUDSON.*****Comparative Politics. DM. (10) 9:30****Civil Government in the United States. DM. (12) 10:30****MR. CONGER.****Geography of Europe. DM. (11) 11:30***Autumn Quarter.***HEAD PROFESSOR JUDSON.*****Comparative Politics. National Government. DM. (11) 9:30**

Prerequisite: Course (1).

International Law. The Law of Peace. DM. (21) 10:30

Prerequisite: Course (1).

DR. FREUND.***Institutes of Roman Law. DM. (31) 11:30****General Jurisprudence. DM. (4) 8:30****MR. CONGER.****Geography of Europe. Repeated. DM. (71) 8:30****History of Geography. DM. (72) 9:30****MR. WILCOX.****Civil Government in the United States. Preliminary course. DM. (1) 11:30***Winter Quarter.***HEAD PROFESSOR JUDSON.*****Comparative Politics. American State Government. DM. (12) 9:30**

Prerequisite: Course (1) and (11).

International Law. The Law of War. DM. (22) 11:30

Prerequisite: Course (1) and (21).

DR. FREUND.**†Institutes of Roman Law. DM. (32) 11:30****Administrative Law. DM. (51) 8:30****MR. CONGER.****Geography of Europe. Repeated. DM. (71) 11:30****History of Geography. Repeated. DM. (72) 9:30***Spring Quarter.***HEAD PROFESSOR JUDSON.*****Comparative Politics. Municipal Government. DM. (13) 9:30****Comparative Politics. Federal Government. DM. (14) 10:30****DR. FREUND.****General Jurisprudence. DM. (42) 8:30****Administrative Law. DM. (52) 11:30****MISS WALLACE.****A Comparative Study of the Latin-American Republics. DM. (61) 8:30****MR. CONGER.****Geography of Europe. Repeated. DM. (71) 11:30****History of Geography. Repeated. DM. (72) 9:30****IV. HISTORY.****C 5-8.***Summer Quarter.***PROFESSOR TERRY.*****Seminar: Early European Institutions. DM. (46) Mondays and Saturdays, from 8:30-10:30****The Great Migrations. DM. (27) 7:30****ASSOCIATE PROFESSOR GOODSPEED.****The Relations of Hebrew and Egyptian History. M. 1st Term. (13) 4:00**

The Relations of Hebrew and Babylonio-Assyrian History. M. 2d Term. (14) 4:00

DR. SHEPARDSON.

American History, Colonial. M. 1st Term. (45a) 8:30

American History, National. M. 1st Term. (45b) 9:30

Autumn Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century from 1815. DM. (39) 3:00

***Seminar: American or Modern European History.** DM. (52) Mondays 3:00-5:00

PROFESSOR TERRY.

***Seminar: English History. The Norman Period.** DM. (49) Mondays and Saturdays, 8:30-10:30

The Feudal Period.—The Holy Roman Empire. DM. (28) 4:00

Introduction to the Study of Modern History. DM. (3) 5:00

NOTE. Courses 3-6 are required of University College students as a prerequisite for admission to the graduate courses in History. Academic College students who have successfully completed Courses 1 and 2 may be admitted to Courses 3-6. They should be taken in the order indicated in the Register.

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity to the Persian Empire. DM. (7) 4:00

The History of Israel.—The Beginnings of Hebrew History. DM. (8) 2:00

DR. WIRTH.

The History of Ancient Greece.—Early Greek History. DM. (16) 5:00

Winter Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century from 1815 (continued). DM. (40)

***Seminar: American or Modern European History (continued).** DM. (53)

PROFESSOR TERRY.

***Seminar: English History (continued). The Early Angevin Period.** DM. (50)

The Feudal Period (continued).—Feudal France. DM. (29)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Israel (continued).—The History of the Hebrew Monarchy. DM. (9)

DR. SHEPARDSON.

History of the United States. DM. (6)

See note above.

MR. CATTERALL.

The Protestant Reformation and The Religious Wars. DM. (4)

See note above.

DR. WIRTH.

The History of Ancient Greece (continued).—The Age of Pericles. DM. (17)

Spring Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century, from 1815 (continued). DM. (41)

***Seminar: American or Modern European History (continued).** DM. (54)

PROFESSOR TERRY.

***Seminar: English History (continued) The Later Angevin Period.** DM. (51)

The Feudal Period (continued).—The Upgrowth of the English Monarchy. DM. (30)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Israel (continued).—The Exilic and Post-Exilic History of Israel. DM. (10)

The History of Rome to the Antonines. DM. (20)

DR. SHEPARDSON.

Political Parties in the United States. DM. (43)

Social Life in the American Colonies. DM. (44)

MR. CATTERALL.

The French Revolution and the Era of Napoleon. DM. (5)

See note to Course 3, Autumn Quarter.

DR. WIRTH.

The History of Ancient Greece (continued).—The Age of Alexander and His Successors. DM. (18)

V. ARCHÆOLOGY.

Winter Quarter.

PROFESSOR TARBELL.

Introduction to Classical Archæology. DM. (1)

*Spring Quarter.***PROFESSOR TARBELL.**

Greek Life from the Monuments. DM. (3)

VI. SOCIOLOGY AND ANTHROPOLOGY.

C 2, 10-12 and W.

*Summer Quarter.***HEAD PROFESSOR SMALL.**

*The Methodology and Bibliography of Social Science. M. 1st Term. (22) Withdrawn.

*The Province of Sociology and its Relation to the Special Social Sciences. MM. 1st Term. (24) 8:30 and 9:30

ASSOCIATE PROFESSOR HENDERSON.

Methods of Promoting Social Welfare by Voluntary Organizations. MM. 2d Term. (20) 2:00 and 3:00

ASSOCIATE PROFESSOR BEMIS.

Child Labor and Immigration Legislation. DM. (21) 11:30

Trades Union Demands for State Activity. (20) 10:30

DR. THOMAS.

The Historical Sociologies. DM. (30) 10:30

DR. WEST.

General Anthropology. DMM. 4:00

MR. FULCOMER.

Elements of Sociology. DM. (40) 3:00

*Autumn Quarter.***HEAD PROFESSOR SMALL.**

*Seminar: Problems of Social Dynamics. Continuous through three Quarters. First Quarter. DM. (28) 2:00

*Problems of Social Statics. Continuous through three Quarters. First Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT.

*The Province of Sociology and its relation to the Special Social Sciences. DM. (24) 8:30

ASSOCIATE PROFESSOR HENDERSON.

*Seminar: Organizations for Promoting Social Welfare. DM. (14) Tuesdays, 4:00-6:00

The Family. M. 1st Term. (18) 2:00

Social Institutions of Organized Christianity. M. 2d Term. (15) 2:00

Voluntary Associations. M. 2d Term. (19) 3:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10) 3:00

House Sanitation. DM. (11) 10:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1) 2:00

Physical Anthropology. Laboratory Work. DM. (2) 3:00

General Anthropology. DM. (4) 11:30

DR. WEST.

Applied Anthropology. DMM. (3) 3:00

*Winter Quarter.***HEAD PROFESSOR SMALL.**

*Seminar: Problems of Social Dynamics. Second Quarter. DM. (28) 2:00

*Problems of Social Statics. Second Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT.

Social Anatomy, Physiology, and Psychology. DM. (25) 8:30

ASSOCIATE PROFESSOR HENDERSON.

*Seminar: Organizations for Promoting Social Welfare. DM. (14) Tuesdays, 4:00-6:00

Social Conditions in American Rural Life. M. 1st Term. (31) 3:00

Economical and Governmental Agencies for Advancement of General Welfare. M. 1st Term. (32) 2:00

Modern Cities and Coöperation of their Beneficent Forces. M. 2d Term. (33) 3:00

Social Treatment of Dependents and Defectives. M. (or MM.) 2d Term. (16) 2:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10)

Sanitary Aspects of Water, Food, and Clothing. DM. (12) 10:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1)

Physical Anthropology. Laboratory Work. DM. (2)

Ethnology. DMM. (5) 11:30

DR. WEST.

Applied Anthropology. DMM. (3) 3:00

MR. VINCENT.

Contemporary Society in the United States. DM. (37) 3:00

DR. THOMAS.

The Historical Sociologies. DM. (30) 9:30

Spring Quarter.

HEAD PROFESSOR SMALL.

*Seminar: Problems of Social Dynamics. Third Quarter. DM. (28) 2:00

*Problems of Social Statics. Third Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT.

Social Anatomy, Physiology, and Psychology (continued). DM. (25) 8:30

ASSOCIATE PROFESSOR HENDERSON.

*Seminar: Organizations for Promoting Social Welfare. DM. (14) Tuesdays, 4:00-6:00

Social Treatment of Crime and Criminals. M (or MM). First Term. (17) 2:00

Sociology of the New Testament. M. 2d Term. (34) 2:00

Historical Development of the Great Philanthropies and Reforms. M. 1st Term. (35) 3:00

ASSISTANT PROFESSOR TALBOT.

General Hygiene. DM. (39) 10:30

Seminar in Sanitary Science. DM. (10) 3:00

The Economy of Living. DM. (13) 9:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1) 2:00

Physical Anthropology. Laboratory Work. DM. (2) 2:00

Prehistoric Archæology. DM. (6) 11:30

ASSOCIATE PROFESSOR BEMIS.

Labor Legislation, and some other Phases of State Activity on behalf of Wage Workers. DM. (21) 10:30

DR. WEST.

Applied Anthropology. DM. (3) 3:00

MR. VINCENT.

Urban Life in the United States. DM. (38) 3:00

Course 27 forms Part II and Course 28 Part III of the system of Social Philosophy introduced by Courses 24 and 25. Students who wish to make Sociology their principal subject, may combine Courses 24, 25, and 27, as three Double Majors.

Courses 24 and 25 will be required of all candidates for the degree of Doctor of Philosophy who present Sociology either as primary or secondary subject.

VII. COMPARATIVE RELIGION.

D 16.

Summer Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Historical Development of Religious Ideas. DM. 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Early Historical Religions. DM. (1) 3:00

Winter Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Hebrew Religion. DM. (2) 3:00

Spring Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (3) 3:00

PROFESSOR BARROWS.

The Relations of Christianity to the Other Religions; Lectures. M. (4)

VIII. SEMITIC LANGUAGES AND LITERATURES.

D 12-16.

Summer Quarter.

HEAD PROFESSOR HARPER.

Book of Hosea. DM. (24) 7:30

The Arabic Language. The Earlier Suras. M. 1st Term. (86) 10:30

Advanced Hebrew Grammar. M. 2d Term. (94) 9:30

PROFESSOR BURNHAM.

Advanced Hebrew Grammar—Syntax. M. 1st Term. (95) 9:30

The Psalter. M. 1st Term. (22a) 10:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

Hebrew Language. MM. 2d Term. (3) 8:30

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (2) 8:30-11:30

Deuteronomy. M. 1st Term. (9) 9:30

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (92) 3:00

ASSOCIATE PROFESSOR HARPER.

Early Assyrian Historical Inscriptions. DM. (23)

Assyrian Language. M. 1st Term. (71) 11:30

Assyrian Language. MM. 2d Term. 2:00-4:00
The Book of Proverbs. M. 2d Term. (27) 9:30
Micah. M. 1st Term. (21) 10:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5) At 9:30

*Autumn Quarter.***HEAD PROFESSOR HARPER.**

Books of Joel, Amos, Obadiah and Jonah. DM. (42) 7:30
Earlier Suras of the Kuran. DM. (87) 8:30
Semitic Seminar. DM. (102) Tuesday, 7:30-9:30

PROFESSOR HIRSCH.

General Introduction to Rabbinical Literature. M. 1st Term. (55) 2:00
Mishnah. M. 2d Term. (56) 2:00

ASSOCIATE PROFESSOR PRICE.

Special Introduction to Prophetic Books. DM. (38) 3:00
Bilingual Babylonian Psalm Literature. Seminar. DM. (81) Thursday, 3:00-5:00

ASSOCIATE PROFESSOR GOODSPEED.

Beginnings of Hebrew History. DM. (30) 2:00
History of the Persian Empire. DM. (34) 4:00
Earliest Historical Religions. DM. (49) 3:00

ASSOCIATE PROFESSOR HARPER.

Beginners' Syriac. DM. (68) 2:00
Assyrian Language. DM. (72) 3:00
Later Historical Inscriptions. DM. (74) 4:00

DR. CRANDALL.

Books of Chronicles. 11:30

DR. KENT.

Outline of Hebrew History. DM. (29) 11:30

MR. BREASTED.

Elementary Egyptian. DM. (106) 10:30
Religious Egyptian Texts. DM. (112) 11:30

*Winter Quarter.***HEAD PROFESSOR HARPER.**

Early Old Testament Traditions. DM. (47) 7:30
Phoenician. M. 1st Term. (98) 9:30
Arabic History, Geography, and Commentary. DM. (91) 8:30
Semitic Seminar. M. 2d Term. (102) Tuesday, 7:30-9:30

PROFESSOR HIRSCH.

Talmud. M. 1st Term. (57) 2:00
Talmud (advanced work). DM. (58) 3:00

ASSOCIATE PROFESSOR PRICE.

Hebrew Lexicography. (Seminar.) DM. (96) Thursday, 3:00-5:00

Special Introduction to Hebrew Poetry and Poetical Books. M. 1st Term. (41) 3:00

Messianic Prophecy. DM. (40) 4:00

Biblical Aramaic. M. 2d Term. (66) 3:00

ASSOCIATE PROFESSOR HARPER.

Advanced Syriac. DM. (69) 2:00

Selected Assyrian Historical Inscriptions. DM. (75) 3:00

DR. CRANDALL.

Deuteronomy—Sight Reading. 1st Term. $\frac{1}{2}$ M. (8) 8:30

Jeremiah—Sight Reading. 2d Term. $\frac{1}{2}$ M. (14) 8:03

MR. BREASTED:

Egyptian Texts. DM. (107)

Coptic Language. DM. (114)

*Spring Quarter.***HEAD PROFESSOR HARPER.**

Old Testament Institutions and Laws. DM. (48) 7:30

Semitic Seminar. DM. (102) Tuesday, 7:30-9:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

Beginning Hebrew. MM. 1st Term. (1) 8:30

Books of Samuel. MM. 2d Term. (4) 8:30

PROFESSOR HIRSCH.

Targum. 1st Term. M. (67) 2:00

Talmud (Jerusalemic). DM. (59) 3:00

Syriac Authors. DM. (70) 4:00

Coptic. M. (113) 2:00

Arabic: Thousand and One Nights. DM. (90) 2:00

Advanced Ethiopic. M. (101) 3:00

ASSOCIATE PROFESSOR PRICE.

The Psalter. DM. (26) 3:00

History, Principles, and Methods of Old Testament Interpretation. (Seminar.) DM. (46) Thursday, 3:00-5:00

ASSOCIATE PROFESSOR GOODSPEED.

History of Hebrew Monarchy. DM. (32)

History of Ancient Egypt. M. 1st Term. (35)

History of the Hebrew Religion. DM. (50)

The History of Babylonia and Assyria. M. 2d Term. (35) 4:00

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Life. M. 1st Term. (54)	2:00
Mesopotamian Geography. M. 2d Term. (53)	2:00
Assyrian Letters. DM. (78)	3:00

DR. KENT.

Books of Kings. M. 1st Term. (6)	10:30
Isaiah i-xxxix. M. 2d Term. (11)	10:30

MR. BREASTED.

Late Egyptian. DM. (108)	
Coptic Language. Sahidic Dialect. DM. (115)	

IX. BIBLICAL AND PATRISTIC GREEK.

D 11-12.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. 2d Term. (31)	9:30
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DR. ARNOLT.

New Testament Syntax: Noun, Pronoun, and Prepositions. M. 2d Term. (3)	7:30
Paul's Epistles to the Thessalonians. M. 2d Term. (30)	8:30
New Testament Quotations from the Old Testament. Part II. The Epistles. M. 1st Term. (41)	7:30
Prerequisites: Courses 1 (or 2), 25 (or 27) and a knowledge of Hebrew.	

Autumn Quarter.

HEAD PROFESSOR BURTON.

Life of Paul and Introduction to Pauline Epistles. DM. (20)	9:30
Prerequisite: Course 1 or 2.	

ASSOCIATE PROFESSOR MATHEWS.

History of New Testament Times in Palestine. DM. (10)	9:30 and 10:30
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DR. ARNOLT.

Josephus. M. 1st Term. (49)	8:30
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Winter Quarter.

HEAD PROFESSOR BURTON.

New Testament Greek. DM. (1)	
Epistle to the Romans. DM. (33)	
Prerequisites: Courses 1 (or 2); 25 (or 27); and 20.	
Introduction to Synoptic Gospels. DM. (18)	

ASSOCIATE PROFESSOR MATHEWS.

Gospel of Luke. DM. (27)	
Prerequisites: Course 1 or 2.	
Life of Christ. DM. (12)	

DR. ARNOLT.

Septuagint. Rapid Reading of selected portions. DM. (44)	
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Textual Criticism of the New Testament. DM. (8)

Spring Quarter.

DR. ARNOLT.

Christian Literature to Eusebius. DM. (55)	
Introduction to the Epistle to the Hebrews, the General Epistles and the Revelation. DM. (21)	

MR. VOTAW.

Rapid Translation and Interpretation of Paul's Epistles. DM. (4)	
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X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B 2-8.

Summer Quarter.

ASSOCIATE PROFESSOR BUCK.

Sanskrit, for Beginners. DM.	10:30
General Introduction to the Study of Indo-European Philology. M. First Term. (1)	11:30
Comparative Grammar of Greek and Latin. M. Second Term. (2)	11:30

Autumn Quarter.

ASSOCIATE PROFESSOR BUCK.

General Introduction to the Study of Indo-European Philology. M. First Term. (1)	10:30
Comparative Grammar of Greek and Latin. M. Second Term. (2)	10:30
Sanskrit, for Beginners. DM. (4)	11:30

Winter Quarter.

ASSOCIATE PROFESSOR BUCK.

Comparative Grammar of Greek and Latin (continued). M. First Term. (2)	10:30
Exercises in Greek and Latin Comparative Grammar. M. Second Term. (3)	10:30
Sanskrit (continued). DM. (5)	11:30

Spring Quarter.

ASSOCIATE PROFESSOR BUCK.

Sanskrit (continued). DM. (6)	10:30
Avestan (Zend). DM. (10)	11:30

XI. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

*Summer Quarter.***PROFESSOR SHOREY.****Æschylus (Oresteia).** M. 1st term. (12) 10:30**Teachers' Course.** M. 1st Term. (23) 11:30

A Greek Reading Club meets once a week from October to June, intended primarily for undergraduates who wish to keep up their knowledge of Greek in the interval between their regular collegiate courses.

*Autumn Quarter.***PROFESSOR SHOREY.****Æschylus and Sophocles.** DM. (23)

Mondays and Thursdays, 3:00-5:00

The Greek Drama (Seminar). DM. (25)

Wednesdays, 3:00-5:00

Research Work in Greek Philosophy.

PROFESSOR TARBELL.**Introduction to Greek Epigraphy.** DM. (11) 10:30**ASSISTANT PROFESSOR CASTLE.**

Demosthenes' Oration on the Crown; Æschines' Selections from the Oration against Ctesiphon.
DM. (15) 10:30

*Winter Quarter.***PROFESSOR SHOREY.**

The Greek Drama (Seminar). (Continued.) DM.
(25)

Research Work in Greek Philosophy.

PROFESSOR TARBELL.**Plato, Protagoras, and Euthyphro.** DM. (7)

Introduction to Classical Archæology. DM. (12)
10:30

ASSISTANT PROFESSOR CASTLE.

Euripides: Rapid Reading Course for Graduates.
10:30

*Spring Quarter.***PROFESSOR SHOREY.****Pindar, Olympian and Pythian Odes.** DM. (21)

The Greek Drama (Seminar). (Continued.) DM.
(25)

PROFESSOR TARBELL.**Thucydides (Sicilian Expedition).** DM. (10) 9:30**Greek Life from the Monuments.** DM. (14)

XII. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

*Summer Quarter.***HEAD PROFESSOR HALE.**

Teachers' Training Course. M. 1st Term. (40)
11:30

Problems in Latin Syntax. M. (40b) 1st Term.
Tuesdays, from 3:00-5:00

PROFESSOR CHANDLER.**The Epistles of Horace.** DM. (17) 9:30**The Georgics of Virgil.** M. 1st Term. (15) 8:30**Tibullus and Propertius.** M. 2d Term. (18) 8:30**PROFESSOR POST.****Selections from Martial.** M. 1st Term. 10:30**Introduction to Latin Epigraphy.** M. 1st Term. 3:00*Autumn Quarter.***HEAD PROFESSOR HALE.****Teachers' Training Course.** DM. (33) 11:30

***Seminar 3: The Comparative Syntax of the Greek and Latin Verb.** DM. (36)
Tuesdays, 3:00-5:00

PROFESSOR CHANDLER.**Seneca.** DM. (16) 8:30**Tacitus. (Seminar.)** (35) Wednesdays, 3:00-5:00*Winter Quarter.***HEAD PROFESSOR HALE.****Plautus.** DM. (9)

***Seminar 3: Comparative Syntax of the Greek and Latin Verb.** DM. (Continued.) (36)

PROFESSOR CHANDLER.**Horace (Book II of Epistles) and Quintilian.** DM. (13)**Tacitus (Seminar).** (Continued.) (35)*Spring Quarter. Revised.***HEAD PROFESSOR HALE.****Catullus and Horace (Book I of Epistles).** DM. (12)

***Seminar 3: Comparative Syntax of the Greek and Latin Verb.** DM. (Continued.) (36)

PROFESSOR CHANDLER.**Tacitus and Suetonius.** DM. (18)**Tacitus (Seminar).** (Continued.) (35)**ASSISTANT PROFESSOR MILLER.****Historical Development of Roman Satire.** DM. (24)**MR.——****Horace (Satires) and Persius.** DM. (14)

XIII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Summer Quarter.

HEAD PROFESSOR KNAPP.

Old French. DM.	9:30
Spanish. Modern Drama. DM.	10:30

ASSISTANT PROFESSOR BERGERON.

French. Rapid Reading and Conversation. M. First Term.	10:30
French. Elements of the Literature. M. Second Term.	10:30
French. Literature of the 19th Century. DM. (14)	8:30
French. Advanced Syntax. DM.	9:30

MR. HOWLAND.

Spanish. Knapp's Grammar and Modern Readings. DM.	9:30
Italian. Grandgent's Grammar. DM.	10:30
Italian. Manzoni, I Promessi Sposi. DM.	11:30

Autumn Quarter.

ASSISTANT PROFESSOR BERGERON.

French. Advanced Syntax and Composition. DM. (4)	9:30
French. Rapid Reading and Conversation. DM. (7)	10:30
French Literature of the 19th Century. DM. (10)	8:30

MR. HOWLAND.

Old Spanish. Poema del Cid. DM. (20)	9:30
Italian. Classic Prose. Machiavelli. DM. (31)	3:00
Italian. Grammar. Modern Readings. DM. (28)	11:30

DR. DE POYEN-BELLISLE.

Historical French Grammar. DM. (13)	9:30
Old French Texts. DM. (16)	10:30
Old Provençal Texts. DM. (19)	11:30

MISS WALLACE.

Elementary Spanish. DM. (23)	10:30
Spanish. General survey of Spanish Literature. Lectures and Texts. DM. (26)	8:30

Winter Quarter.

ASSISTANT PROFESSOR BERGERON.

French. Rapid Reading and Conversation. DM. (5)	
Prerequisite: Course 4.	
French. Literature of the 19th Century. DM. (11)	

French. Elements of the Literature from the origin to the 19th Century. Introductory to Course 11. DM. (8)

MR. HOWLAND.

Spanish. Classic and Modern Dramatists. DM. (21)	
Italian. History of Italian Literature. Lectures and Texts. DM. (29)	
Italian. Dante, L'Inferno. DM. (32)	

DR. DE POYEN-BELLISLE.

Historical French Grammar. DM. (14)	
Old French Texts. DM. (17)	

MISS WALLACE.

Spanish. Knapp's Spanish Readings. Composition DM. (24)	
Spanish. Course 26 concluded. DM. (27)	

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

French. Course 8 (continued.) DM. (9)	
French. Course 5 (continued.) DM. (6)	
French. Literature of the 19th Century. DM. (12)	

MR. HOWLAND.

Spanish. Don Quijote. DM. (22)	
Italian. Course 29 (concluded.) DM. (30)	
Italian Philology. DM. (33)	

DR. DE POYEN-BELLISLE.

Historical French Grammar. DM. (15)	
Old French Texts. DM. (18)	

MISS WALLACE.

Spanish Advanced Modern Reading. Pardo Bazán; Pascual Lopez. DM. (25)	
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XIV. GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

*Germanic Club and Seminar: Courses 1-19, inclusive, constitute the work of the first section of the Germanic Seminar; the second section, including candidates for the degree of Ph.D., other advanced students, and all instructors of the department, meets weekly on Monday from 3 to 5 P. M. for the reading and discussion of reports, reviews, and original papers upon subjects connected with the work of the first section. Mondays, 3:00-5:00

*Summer Quarter.***ASSOCIATE PROFESSOR CUTTING.**

- *Gothic. DM. (9) 3:00
 Schiller's Wallenstein. DM. (22) 9:30

DR. VON KLENZE.

- *Middle High German. DM. (5) 2:00

*Autumn Quarter.***ASSOCIATE PROFESSOR CUTTING.**

- *The Literary Coöperation of Goethe and Schiller.
 DM. (1) 2:00
 Heine's Prose and Poetry. DM. (27) 8:30

ASSISTANT PROFESSOR SCHMIDT-WARTENBURG.

- *Introduction to Phonetics. M. First Term. (13) 3:00
 Middle Low Franconian. M. Second Term. (14) 3:00
 *History of the German Language. DM. (17) 4:00

DR. VON KLENZE.

- *Gothic. DM. (5) 8:30
 Schiller. DM. (21) 10:30 or 2:00
 Goethe's Lyrical Poetry as an Exponent of his
 Life. DM. (26) 9:30

*Winter Quarter.***ASSOCIATE PROFESSOR CUTTING.**

- German Prose Composition. DM. (28) 9:30
 The Literary Coöperation of Schiller (continued).
 DM. (1) 2:00

ASSISTANT PROFESSOR SCHMIDT-WARTENBURG.

- *Old High German. DM. (6) 3:00
 Old Norse. DM. (16) 2:00
 Old Saxon. DM. (18) 4:00

*Spring Quarter.***ASSISTANT PROFESSOR SCHMIDT-WARTENBURG.**

- Middle High German. DM. (8) 3:00
 Comparative Gothic Grammar. DM. (15) 2:00

DR. VON KLENZE.

- The Nibelungenlied. DM. (4) 10:30 or 2:00
 Outline History of German Literature. DM. (23) 9:30

AUXILIARY COURSES.

For graduate students in departments other than Germanic.

*Summer Quarter.***MR. MULFINGER.**

- *Scientific Reading. Subjects connected with Phys-
 ical Sciences. DM. (36) 10:30

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

D 8-10.

*Summer Quarter.***PROFESSOR L. A. SHERMAN.**

- Themes in Novel, Poem, and Drama. M. 1st
 Term. (2) 2:00

ASSOCIATE PROFESSOR MCCLINTOCK.

- The Elements of Literature. DM. (19) 9:30
 *English Literary Criticism. DM. (34) 10:30

ASSISTANT PROFESSOR BLACKBURN.

- Old English; Elementary Course. DM. (14) 3:00
 { Middle English. M. (26) 2:00
 { Studies in English Grammar. M (39) 2:00

MR. HERRICK.

- Daily Themes, a course of Advanced English Com-
 position. DM. (7) 8:30

*Autumn Quarter.***PROFESSOR WILKINSON.**

- Blank Verse. DM. (63) 8:30
 Criticism of Criticism. M. 1st Term. (64) 9:30
 History and Fiction. M. 2d Term. (8) 9:30

ASSOCIATE PROFESSOR BUTLER.

- English Essayists of the Nineteenth Century. DM.
 (59) 11:30

ASSOCIATE PROFESSOR MCCLINTOCK.

- *English Literature Seminar. The beginnings of
 the Romantic Movement of the Eighteenth
 Century; Studies in English Literature from
 1725-1775. DM. (33) 4:00-6:00
 The English Romantic Poets from 1780 to 1830.
 DM. (18) 10:30

ASSISTANT PROFESSOR BLACKBURN.

- *Old English; Advanced Course. DM. (27) 2:00
 *English Language Seminar. For advanced philo-
 logical work. M. Mondays, 2:00-4:00
 Old English; Elementary Course. DM. (23) 3:00

ASSISTANT PROFESSOR CROW.

- The Prose of the Elizabethan Era. DM. (46) 2:00
 *English Literature Seminar. Studies in Elizabethan Literature. DM. (36) 10:30

ASSISTANT PROFESSOR TOLMAN.

- The Rise of the English Drama and its History down to 1560. DM. (44) 9:30

MR. HERRICK.

- Advanced English Composition. 2DM. (5) 11:30

MR. TRIGGS.

- Nineteenth Century Literary Movements. Studies in Criticism, Poetry, the Novel and Essay with reference to modern Literary tendencies. DM. (38) 11:30
 *The Poetry of Browning and Meredith. DM. (52) 8:30

MR. CARPENTER.

- English Poetry in the Elizabethan Age. DM. (51) 9:30

MRS. BRAINARD.

- Critical Examination of the Text of Hamlet. DM, (66) 11:30

Winter Quarter.

PROFESSOR MOULTON.

- Spenser's "Faerie Queene." DM. (67) 10:30

ASSOCIATE PROFESSOR MCCLINTOCK.

- Milton. DM. (17) 3:00

ASSISTANT PROFESSOR BLACKBURN.

- Old English, (continued). DM. (24) 3:00
 *English Language Seminar. For advanced philological work. M. (28)

ASSISTANT PROFESSOR CROW.

- History of the Drama in England from 1560 to 1642. DM. (47) 2:00
 *English Literature Seminar. Studies in Elizabethan Literature, (continued). DM. (36) 10:30

ASSISTANT PROFESSOR TOLMAN.

- Seminar: Studies in the Origins of Shakespeare's Plays. DM. (31)

MR. HERRICK.

- Advanced English Composition (continued). 2DM. (5) 8:30

MR. HERRICK AND MR. LEWIS.

- *Seminar in the History of Rhetoric and in Rhetorical Methods. DM. (54)

MR. LOVETT.

- Argumentative Composition. DM. (3)
 [See also Department of Political Economy]

MISS REYNOLDS.

- The Poetry of William Wordsworth. DM. (32)

MR. TRIGGS.

- English Literature of the Nineteenth Century. The Works of Tennyson and Arnold. DM. (21) 10:30
 *English Literature of the Nineteenth Century. The Works of Robert Browning. DM. (60)

Spring Quarter.

PROFESSOR MOULTON.

- Theory and Practice of Literary Interpretation. DM. (62) 10:30

ASSOCIATE PROFESSOR MCCLINTOCK.

- *The History of English Literary Criticism. DM. (34) 4:00-6:00
 The Elements of Literature. DM. (19) 10:30

ASSISTANT PROFESSOR BLACKBURN.

- Old English, (continued). DM. (25) 3:00
 The History of Old English Literature. DM. (56)
 *English Language Seminar. For advanced philological work. M. (28)

ASSISTANT PROFESSOR CROW.

- The Sources of Shakespeare's Plays. DM. (40)
 *English Literature Seminar. Studies in Elizabethan Literature, (continued). DM. (36) 10:30

ASSISTANT PROFESSOR TOLMAN.

- The Works of Chaucer. DM. (45)
 Tuesdays and Fridays, 4:00 to 6:00

MR. HERRICK AND MR. LEWIS.

- Seminar in the History of Rhetoric and in Rhetorical Methods, (continued). DM. (54B)

MR. HERRICK AND MR. LOVETT.

- Development of English Prose Style. DM. (6) 8:30

MR. LOVETT AND MR. HILL.

- Oral Debates. DM. (4) Fridays 3:00

MISS REYNOLDS.

- The Beginnings of the Classical Movement in English Literature. DM. (48)

MR. TRIGGS.

- English Literature of the Nineteenth Century. Emerson, Thoreau, Lowell, and Whitman. DM. (22) 11:30

English Literature of the Nineteenth Century: the
Novel. DM. (49) 3:00

MR. CARPENTER.
The Poetry of Spenser. DM. (35) 9:30

XVI. BIBLICAL LITERATURE IN ENGLISH.

A. OLD TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.
Special Introduction to the Historical Books.
DM. (28)

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.
The Minor Prophets. DM. (A 17) 4:00

Winter Quarter.

DR. KENT.
Isaiah I-XXXIX. M. 2d Term. (12)
The Minor Prophets of the Assyrian Period.
M. 1st Term. (18)

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.
Biblical Chronology. M. 1st Term. (37)

ASSOCIATE PROFESSOR HARPER.
Palestinian Geography. M. 1st Term. (53)
Assyrian and Babylonian Life. M. 2d Term. (85)

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.
The Second Group of the Epistles of the Apostle
Paul. M. 2d Term. (B 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.
The Founding of the Christian Church. DM.
(B 4) 11:30
The Teaching of Jesus. DM. (B 21) 10:30

Spring Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Gospel of Matthew. M. 1st Term. (B 7)

MR. VOTAW.

History of the New Testament Times. DM. (B 1)
10:30

XXVIII. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2)
Tuesday, Wednesday, and Friday, 11:30

Spring Quarter. Revised.

MR. CLARK.

Reading Aloud. 3 hrs. a week. M. (4)
Monday, Wednesday, and Friday, 4:00

THE OGDEN (GRADUATE) SCHOOL AND THE UNIVERSITY COLLEGE OF SCIENCE.

XVII. MATHEMATICS.

R.

The Mathematical Club and Seminar. The Club meets throughout the year, on alternate Saturdays at 4:30 P.M., in the Ryerson Physical Laboratory, room 36, for the review of memoirs and books, and for the presentation of the results of research. The club is conducted by the members of the Mathematical Faculty, and is open to all graduate students of Mathematics.

Summer Quarter.

PROFESSOR MOORE.

Theory of Functions of a Complex Variable. Based on Forsyth's *Theory of Functions*. DM. (22) 8:30

Prerequisite: A thorough knowledge of Differential and Integral Calculus.

Elliptic Functions. Based on Weber's *Elliptische Functionen und algebraische Zahlen*. DM. (26). 7:30

Prerequisite: Theory of Functions and Theory of Substitutions.

Special Seminar on Functions. Memoirs and problems relating to the theory of functions are assigned to the members of the Seminar for reading and investigation. On alternate Mondays. D $\frac{1}{2}$ M. (27) 7:30

DR. YOUNG.

Theory of Numbers. DM. (19) 9:30

The Elements of the Theory of Invariants with Applications to Higher Plane Curves. DM. (15) 10:30

Prerequisite: Determinants, and a thorough course in the Theory of Equations.

MR. SLAUGHT.

Determinants. M. 1st Term. (8) 9:30

MR. SMITH.

Differential and Integral Calculus. Advanced Course. DM. (7) 7:30

Plane Analytic Geometry. Advanced Course. DM. (6) 8:30

MR. HUTCHINSON.

Differential and Integral Calculus. First Course. M. 1st Term. (6 A) 1:45

Autumn Quarter.

PROFESSOR MOORE.

Projective Geometry. Based on Reye's *Geometrie der Lage*. DM. (14) 8:30

Elliptic Modular Functions. Based on Klein's *Elliptische Modulfunctionen* (vol. i). DM. (28). 9:30

Prerequisite: Theory of Functions and Elements of the Theory of Substitutions and of the Theory of the Icosahedron.

PROFESSOR BOLZA.

Introduction to the Theory of Quaternions. DM. (21) 11:30

Prerequisite: Analytic Geometry of Three Dimensions.

Theory of Functions of a Complex Variable. DM. (23) 9:30

Prerequisite: Differential and Integral Calculus.

ASSISTANT PROFESSOR MASCHKE.

Advanced Integral Calculus. To be continued through two quarters. First quarter. DM. (10) 11:30

Prerequisite: Differential Calculus and the elements of Integral Calculus.

Higher Plane Curves. DM. (16) 10:30

Prerequisite: Analytic Geometry and the elements of Theory of Invariants.

DR. BOYD.

Analytics and Calculus. To be continued through three quarters. First quarter: Casey's *Treatise on Conic Sections*. With fortnightly *Colloquium*. DM. (4) 10:30

Winter Quarter.

PROFESSOR BOLZA.

Analytic Geometry of Three Dimensions. DM. (12)

Prerequisite: Analytics and Calculus.

Theory of Substitutions. DM. (25)

Prerequisite: Theory of Equations.

ASSISTANT PROFESSOR MASCHKE.

Weierstrass' Theory of Elliptic Functions. DM. (24)
Prerequisite: Elements of Theory of Functions.

Advanced Integral Calculus. To be continued through two quarters. Second quarter. DM. (10)

Prerequisite: Differential Calculus and the elements of Integral Calculus.

DR. YOUNG.

The Theory of Equations. Based on Burnside and Panton's *Theory of Equations*. To be continued through two quarters. First quarter.

DM. (9) 11:30

Prerequisite: Analytic Geometry and the Differential Calculus.

The Theory of Numbers. DM. (20)

DR. BOYD.

Analytics and Calculus. To be continued through three quarters. Second quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4) 10:30

DR. HANCOCK.

Calculus of Variations. Based on the developments of Weierstrass and of Schwarz. DM. (23 A)

Spring Quarter.

PROFESSOR MOORE.

Configurations. The elements of projective geometry of space of n dimensions. The more important general classes of configurations; certain special configurations, in particular those connected with the number six. DM. (18)

Prerequisite: Courses 12, 14, and 16.

Groups. This course, conducted by the lecture-seminar method, is a continuation of Courses 20 and 25. DM. (29)

ASSISTANT PROFESSOR MASCHKE.

Analytic Mechanics. DM. (13)

Prerequisite: Analytic Geometry and a thorough knowledge of Differential and Integral Calculus.

Algebraic Surfaces. DM. (17)

Prerequisite: Higher Plane Curves, and Analytic Geometry of Three Dimensions.

DR. YOUNG.

The Theory of Equations. Based on Burnside and Panton's *Theory of Equations*. To be continued through two quarters. Second quarter. DM. (9)

Prerequisite: Analytic Geometry and Differential Calculus.

Culture Calculus. Introduction to the Differential and Integral Calculus. This course is general and summary, and is intended to give to those who do not wish to study Mathematics further an idea of this important instrument of mathematical thought. DM. (5)

Prerequisite: *Required Mathematics*.

DR. BOYD.

Differential Equations. Based on Forsyth's *Differential Equations*. With fortnightly *Colloquium*. DM. (11) 8:30

Prerequisite: Advanced Integral Calculus.

Analytics and Calculus. To be continued through three quarters. Third quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4) 10:30

XVIII. ASTRONOMY.

R.

Summer Quarter.

DR. SEE.

***Gauss's Method of Determining Secular Perturbations, with Numerical Application to the Action of Neptune on Uranus.** DM. (25) 9:30

***Theory of the Attraction and Figures of the Heavenly Bodies.** DM. (26)

Prerequisite: Differential and Integral Calculus.

DR. LAVES.

General Astronomy. Introductory course.

DM. (27) 11:30

Prerequisite: Algebra, Geometry, Trigonometry, and the elements of Physics.

***Determination of Latitude and Longitude, with practical work in the Observatory.** DM. (28) 7:30

DR. SEE AND DR. LAVES.

***Astronomical Seminar.** Practical courses in particular topics. (29) Alternate Saturdays at 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. DM. (1) 7:30 P.M.
Prerequisite: General Astronomy and Physics

Stellar Spectroscopy. DM. (3) 7:30 P.M.
Prerequisite: Solar Physics.

DR. SEE.

- *Research Course in the Theory of Tides. DM. (30)

Elements of the Theory of Gravitation. DM. (31) 11:30

Prerequisite: Conic sections, Differential Calculus, and the Elements of Physics.

DR. LAVES.

- *Partial Differential Equations. DM. (32) 11:30

Prerequisite: Differential and Integral Calculus and the Elements of Ordinary Differential Equations.

Spherical and Practical Astronomy. DM. (33) 10:30

Prerequisite: General Astronomy and Differential Calculus.

DR. SEE AND DR. LAVES.

- *Astronomical Seminar. (34)
Alternate Saturdays at 3:00

Winter Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics. DM or DMM. (2) 2:00

Prerequisite: General Astronomy and Advanced Physics.

DR. SEE.

- *Research Course in the Theory of Tides. (35)

General Astronomy. DM. (36) 11:30

Prerequisite: Algebra, Trigonometry, and the Elements of Physics.

DR. LAVES.

- *Dynamics of a System. DM. (37)

Prerequisite: Differential and Integral Calculus, and Analytical Mechanics.

Spherical Astronomy. (Part II.) DM. (38)

Prerequisite: Differential and Integral Calculus, and General Astronomy.

DR. SEE AND DR. LAVES.

- *Astronomical Seminar. (39)
Alternate Saturdays at 3:00

Spring Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics (continued). DM. (2) 2:00

Prerequisite: General Astronomy and Advanced Physics.

Astro-Physical Research. (4)

DR. SEE.

- *Research Course in the Theory of Secular Tidal Friction and in Cosmogony. DM. (40)

General Astronomy (continued). DM. (41)

DR. LAVES.

- *Theory of a Rotating Body. DM. (42)

Prerequisite: Differential and Integral Calculus, and Analytical Mechanics.

- *Special Perturbations. (43) DM.

Prerequisite: Differential and Integral Calculus, and Elements of the Theory of Orbits.

DR. SEE AND DR. LAVES.

- *Astronomical Seminar. (44)
Alternate Saturdays at 3:00

XIX. PHYSICS.

R.

Summer Quarter.

HEAD PROFESSOR MICHELSON.

- *1. Research Course. DMM. (1)

*2. Graduate Course. 10 or 18 hrs. a week, 3DM or DMM. 11 30

Prerequisite: Advanced course in General Physics.

Autumn Quarter.

HEAD PROFESSOR MICHELSON.

- *Research Course. DMM. (1)

Monday-Friday, 2:00-6:00

- *Special Graduate Course. DM or DMM. (2)

Lectures: Thursday-Friday, 11:30

Laboratory work, Monday-Friday, 2:00-6:00

Prerequisites: Advanced Course in General Physics.

Spectrum Analysis. M. (7)

Throughout Quarter, 11:30

ASSOCIATE PROFESSOR STRATTON.

General Physics. (Advanced). $\frac{1}{2}$ DM. (3)

Lectures: Monday, Tuesday, Wednesday, 10:30

Prerequisites: Differential and Integral Calculus.

Laboratory Methods. DM. (11)

Thursday, Friday, Saturday, 9:30

ASSISTANT PROFESSOR WADSWORTH.

General Physics. (Advanced). $\frac{1}{2}$ DM. (3)

Lectures: Thursday, Friday, Saturday, 10:30

Laboratory Practice. (Advanced). DM. (4)
Monday-Friday, 2:00-5:00

Design and Construction of Instruments of Precision. DM. (10)
Monday, Tuesday, Wednesday, 9:30

Winter Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course.** DMM. (1)
Monday-Friday, 2:00-6:00.

***Special Graduate Course.** DM. or DMM. (2)
Lectures: Thursday and Friday 11:30
Laboratory work: Monday-Friday, 2:00-6:00
Prerequisite: Advanced Course in General Physics.

Velocity of Light. M. (8) M. throughout Quarter. 11:30

General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Tuesday and Wednesday, 10:30.

ASSOCIATE PROFESSOR STRATTON.

General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Thursday, Friday, Saturday, 10:30

ASSISTANT PROFESSOR WADSWORTH.

Design and Construction of Instruments of Precision. DM. (10)

Monday, Tuesday, Wednesday, 9:30

Theory of Heat. DM. (14) Monday-Friday.

Laboratory Practice (Advanced). DM. (4)
Monday-Friday, 2:00-5:00

Prerequisite: Differential and Integral Calculus.

Spring Quarter.

HEAD PROFESSOR MICHELSON.

***Research Course,** DMM. (1)
Monday-Friday, 2:00-6:00.

***Special Graduate Course.** DM. or DMM. (2)
Lectures: Thursday and Friday, 11:30.
Laboratory work: Monday-Friday, 2:00-6:00.
Prerequisite: Advanced Course in General Physics.

Application of Interference Methods. M. (9) M. or throughout Quarter 11:30.

General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Tuesday and Wednesday, 10:30

ASSOCIATE PROFESSOR STRATTON.

General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Thursday-Saturday, 10:30
Prerequisites: Differential and Integral Calculus.

Laboratory Practice (Advanced). DM. (4)
Monday-Saturday, 2:00-5:00.

Electrical Measurements. DM. (13)
Monday-Saturday, 2:00-5:00
Prerequisite: General Physics (Advanced).

ASSISTANT PROFESSOR WADSWORTH.

Research Methods. DM. (12)
Monday-Thursday, 9:30.

Theory of Reduction of Observations. DM. (15)
Monday-Friday.

XX. CHEMISTRY.

K.

Special fees will be charged to students taking Laboratory Courses in Chemistry as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

In no case, however, will a student, taking several courses in Chemistry, be charged more than \$10.00 a quarter.

Summer Quarter.

PROFESSOR NEF.

Special Chapters of Organic Chemistry. $\frac{1}{2}$ M. 2d Term. (25) Fridays and Saturdays, 11:30

***Research Work for Ph.D. Thesis.** Organic Chemistry. MM. Second Term. (20)

ASSISTANT PROFESSOR SCHNEIDER.

Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ DM. (12) Thursdays and Fridays, 2:00
Prerequisite: General Chemistry.

Qualitative Analysis. Laboratory Work. DM or DMM. (5)
Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or DMM. (7)
Prerequisite: Qualitative Analysis.

Advanced Inorganic Work. DM or DMM. (14)
Prerequisite: See Course (13), Autumn Quarter.

***Research Work for Ph.D. Thesis.** Inorganic Chemistry. DMM. (20)

DR. STIEGLITZ.

General Inorganic Chemistry. DMM. (2)
Mondays, Tuesdays, Wednesdays, and Thursdays, 11:30
Mondays, Tuesdays, and Wednesdays, 2:00-5:00

***Research Work for Ph. D. Thesis. Organic Chemistry.** DMM. (20)

Special Organic Preparations. DMM. (19b)

DR. CURTISS.

General Organic Chemistry. DMM. (10) 8:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations. DM or DMM. (19)

Prerequisites: See Course (18), Autumn Quarter.

Autumn Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (9)

Thursday, Friday, and Saturday, 11:30

Prerequisite: General Chemistry and Qualitative Analysis.

Organic Preparations: Laboratory Work. DM or MM. (18)

Prerequisites: Qualitative and Quantitative Analysis, Mineralogy (for candidates for the degree of Ph.D.) and Organic Chemistry, (although it may be taken simultaneously in connection with lectures on Organic Chemistry). Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a Triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a Triple Major.

***Research Work for Ph.D. Thesis. Organic Chemistry.** Laboratory work. DMM. (20)

Journal Meetings. (21)

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. DM. (1)

First Term. Monday-Friday, 11:30

Second Term. Monday-Wednesday, 11:30

Laboratory. Monday and Tuesday, 2:00-5:00

Prerequisite: Academic College course in Physics, including laboratory work.

A continuous course through three Quarters.

General Chemistry. Chiefly laboratory work. M. (3) Second Term.

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. LENGFELD.

Advanced Inorganic Chemistry. Lectures. $\frac{1}{2}$ DM. (11)

Prerequisite: Course (1), or equivalent.

Advanced Inorganic Preparations. DM or MM. (13)

Prerequisites: Qualitative and Quantitative Analysis, Mineralogy, and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a Triple Minor; those intending to engage in Inorganic Research will be required to take the course as a Triple Major.

***Theoretical Chemistry.** Lectures. $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30

Prerequisites: Physics, General Organic and Inorganic Chemistry.

***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. DM or MM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or MM. (6)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

The Carbohydrates and Complex Hydrocarbons. $\frac{1}{2}$ DM. (23) Monday and Thursday, 8:30

Prerequisite: Organic Chemistry.

DR. IKUTA.

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

Winter Quarter.

PROFESSOR NEF.

Organic Chemistry (continued). DM. (9) 11:30

Organic Preparations. Laboratory Work. DM or MM. (18)

Prerequisites: See Course (18), Autumn Quarter.

***Research Work for Ph.D. Thesis. Organic Chemistry.** Laboratory Work. DMM. (20)

Journal Meetings. (21)

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry (continued). DM. (1)
Monday, Tuesday, Wednesday, 11:30

Laboratory, Monday and Tuesday, 2:00-5:00

General Chemistry (continued). DM. (3)

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. DM or MM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or MM. (6)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

Elementary Spectrum Analysis. Chiefly laboratory work. $\frac{1}{2}$ DM. (8)

Prerequisite: General Chemistry.

Organic Nitrogen Derivatives. $\frac{1}{2}$ DM. (24)
Monday and Thursday, 8:30

Prerequisite: Organic Chemistry.

DR. LENGFELD.

Advanced Inorganic Chemistry. Lectures.

$\frac{1}{2}$ DM. (11)

Prerequisite: Course (1), or equivalent.

Advanced Inorganic Preparations. DM or MM. (13)

Prerequisites: See Autumn Quarter.

Theoretical Chemistry. (continued.) $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30

Prerequisites: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

Physico-Chemical Methods. Laboratory work
 $\frac{1}{2}$ DM. (22)

Prerequisite: Quantitative Analysis.

DR. CURTISS.

***History of Chemistry.** $\frac{1}{2}$ DM. (17)

Wednesday and Saturday, 8:30

Prerequisites: General and Organic Chemistry.

DR. IKUTA.

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

*Spring Quarter.***PROFESSOR NEP.**

Organic Chemistry (concluded). M. 1st Term. (9)
Thursday, Friday, Saturday, 11:30

Organic Preparations. Laboratory Work. M or MM. First Term. (18)

Prerequisites: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Organic Chemistry.** MM. (20) First Term.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry (concluded).

DM. (1) Monday, Tuesday, Wednesday, 11:30
Laboratory, Monday and Tuesday, 2:00-5:00

General Chemistry (continued). DM. (3)

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. LENGFELD.

Advanced Inorganic Chemistry. Lectures. $\frac{1}{2}$ DM. (11)

Prerequisites: Course (1) or equivalent.

Advanced Inorganic Preparations. DM or MM. (13)

Prerequisites: See Autumn Quarter.

***Theoretical Chemistry (continued).** $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30

Prerequisites: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. DM or MM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or MM. (6)

Prerequisite: Qualitative Analysis.

Advanced Qualitative Spectrum Analysis. $\frac{1}{2}$ DM. (16)

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. CURTISS.

The Aromatic Series. $\frac{1}{2}$ DM. (26)

Wednesdays and Saturdays, 8:30

XXI. GEOLOGY.**W.**

Seminar. Fortnightly during the year, under the presidency of the Head of the Department, aided by the departmental faculty. (26)

Summer Quarter.

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology. M or MM. (24)

Professional Geology. (28)

Independent Field Work. (29)

PROFESSOR SALISBURY.

Geographic Geology (at the University). MM.
1st Term. (9) 9:30 and 10:30

Prerequisites: Physiography, Elementary Geology, Elementary Physics, and Chemistry.

Field Geology. (Selected localities in the field, centering about Devil's Lake, Wisconsin.)

2d Term. MM and M. (27)

Prerequisites: Course (9) or its equivalent.

Autumn Quarter.

HEAD PROFESSOR CHAMBERLIN.

Seminar. (26)

Principles and Working Methods of Geology.
DM or DMM. (23) 10:30

Prerequisites: Courses (9) and (11), or their equivalents; Mineralogy and Petrology.

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology. M or MM. (24)

Local Field Geology. (25)

PROFESSOR SALISBURY.

Geographic Geology. DM or DMM. (9) 11:30
Prerequisites: Physiography, Elementary Geology, Physics, and Chemistry.

Laboratory Work in Geographic Geology. (10)
Open to members of Course (9) only.

ASSOCIATE PROFESSOR IDDINGS.

Crystallography. M. 1st Term. (2) 9:30
Prerequisites: Physics and Inorganic Chemistry.

Physical Mineralogy. M. 2d Term. (3) 9:30
Prerequisite: Course (2).

Petrography. DM (or DMM). (6) 2:00
Prerequisites: Courses (2) and (3).

DR. QUEREAU.

Introductory Course in Systematic Palæontology.
(17a)

Prerequisites: Zoölogy and General Geology.

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN.

Principles and Working Methods of Geology
(continued). DM or DMM. (23)

Prerequisites: See Autumn Quarter.

Seminar. (26)

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology (continued). M or MM. (24)

PROFESSOR SALISBURY.

Structural Geology and Continental Evolution.
DM or DMM. (11) 11:30

Prerequisites: Course (9), Geology. Desirable antecedents: Elementary Mineralogy and Petrology.

General Geology. DM or DMM. (12)

Not open to Academic College students, except in cases of special fitness.

Dynamic Geography. 1 or more MM or M.

Prerequisites: Courses (9) and (11), or their equivalents.

ASSOCIATE PROFESSOR IDDINGS.

Descriptive Mineralogy. DMM. (4)

Prerequisites: Courses (2) and (3).

Petrography. DMM or DM. (6)

Prerequisites: Courses (2) and (3).

ASSOCIATE PROFESSOR PENROSE.

Economic Geology. DM. (14)

Prerequisites: Courses (4) and (11); also Inorganic Chemistry and Physics.

Chemistry of Ore Deposits. DM. (15)

Prerequisite: Courses (5), (6), and (14); Geology.

DR. QUEREAU.

Palæontologic Geology. Palæozoic Life. DM or DMM. (18)

Prerequisite: Course (17a), Geology.

Spring Quarter.

HEAD PROFESSOR CHAMBERLIN.

Seminar. (26) Tuesdays, 4:00

Geologic Life Development. DM. (16) 10:30

Prerequisites: Zoölogy, Botany, Course 11 or 12, Geology.

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology (continued). M or MM. (24)

Local Field Geology (continued). (25)

ASSOCIATE PROFESSOR IDDINGS.

Petrology. DM. (5) 9:30

Prerequisites: Courses (2) and (3).

Petrography. DMM or DM. (6) 11:30

Prerequisites: Courses (2) and (3).

Petrology. M or MM. (7)

DR. QUEREAU.

Special Palæontologic Geology. DM or DMM. (19)

Palaeontologic Geology. Mesozoic Life. DMM or DM. (18)

XXII. ZOÖLOGY.

K.

Special fees will be charged to students taking Laboratory Courses in Zoology, Anatomy and Histology, Physiology, and Neurology as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

Summer Quarter.

HEAD PROFESSOR WHITMAN.

Marine Biology at the Marine Biological Laboratory, Wood's Holl.

Autumn Quarter.

HEAD PROFESSOR WHITMAN.

***Embryology. Higher Invertebrates. Research. DMM. (1) 3:00**

Prerequisites: The introductory Courses in Embryology, Anatomy, and Histology.

***Seminar. DM. (2) Bi-weekly.**

DR. WHEELER.

Comparative Anatomy of the Vertebrates. DM. or DMM. (9) Lectures and Laboratory Work. 10:30
Prerequisite: General Biology.

DR. JORDAN.

Special Bacteriology. DM or DMM. (12) 8:30
Prerequisites: General Biology, General Bacteriology.

DR. WATASÉ.

Anatomy and Physiology of the Cell. Research Course. DM. (6) 10:30

Winter Quarter.

HEAD PROFESSOR WHITMAN.

***Embryology. Higher Invertebrates. DMM. (3) 3:00**

For prerequisites see Autumn Quarter.

***Seminar. DM. (4) Bi-weekly.**

DR. WHEELER.

Comparative Anatomy of the Vertebrates (continued). DM. or DMM. (10) Lectures and Laboratory Work. 10:30

For Prerequisite see Autumn Quarter.

DR. WATASÉ.

Anatomy and Physiology of the Cell (continued). DM. (7)

DR. JORDAN.

Special Bacteriology. DM. or DMM. (14) 8:30
Prerequisites: General Biology, General Bacteriology.

Spring Quarter.

HEAD PROFESSOR WHITMAN.

***Embryology. Tectonics of the Vertebrate Embryo. DMM. (5) 4:00**

Prerequisites: The introductory courses in Morphology.

DR. WHEELER.

Vertebrate Embryology. DMM. (11) 10:30
Prerequisites: General Biology, Histology.

DR. WATASÉ.

Anatomy and Physiology of the Cell (continued). DM. (8)

DR. JORDAN.

Special Bacteriology. DM or DMM. (16) 8:30
Prerequisites: General Biology, General Bacteriology.

General Bacteriology. DM. (17) 9:30

Biological Readings. ½DM. (18) 4:00
Prerequisites: Elementary Courses, German and French.

XXIII. ANATOMY AND HISTOLOGY.

K.

Laboratory Fees, see Department XXII.

Summer Quarter.

MR. EYCLESHYMER.

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 1st Term. (1)

Elements of Histology. M. 2d Term. (2)

Autumn Quarter.

MR. EYCLESHYMER.

Mammalian Anatomy. M. 1st Term. (1)
Wednesday and Thursday, 2:00-5:00

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 2d Term. (2)
Wednesday and Thursday, 2:00-5:00
Prerequisite: Course (1).

Winter Quarter.

MR. EYCLESHYMER.

Elements of Histology. M. 1st Term. (3)
Prerequisite: Course (2).

Methods Employed in the Preparation of Animal Tissues for Histological Study (repeated). M. 2d Term. (2a)

Mammalian Anatomy. DM. (4)

Spring Quarter.

MR. EYCLESHYMER.

Comparative Histology. DM. (5)

Prerequisites: Courses (2 or 2a) and (4).

Methods Employed in the Preparation of Animal Tissues for Histological Study (repeated). M. 1st Term. (2b)

Elements of Histology (repeated). M. 2d Term. (3a)

XXIV. PHYSIOLOGY.

R.

Summer Quarter.

DR. LINGLE.

Physiology of Digestion, Secretion, and Metabolism. DM or DMM. (6) Lectures and Laboratory work.

Prerequisites: Courses (2) and (5).

Autumn Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigation in Physiology.** DMM. (1) 9:30

Advanced Physiology. DM or DMM. (2) 11:30

Physiology of the Sense Organs and the Peripheral and Central Nervous System. DM. (3) Mon., Wed., Fri., and Sat., 10:30

Winter Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigation in Physiology (continued).** DMM. (1) 9:30

Advanced Physiology. DM or DMM. (2) 2:00

Physiology of Circulation, Respiration, and Animal Heat. (4) Mon., Wed., Fri., and Sat., 10:30
Prerequisite: Course (2).

DR. LINGLE.

Physiology of Digestion, Secretion, and Metabolism. DM or DMM. (6)

General Laboratory Work. DM. (7) Tuesday, Wednesday, and Thursday, 2:00-5:00

Spring Quarter.

DR. LINGLE.

General Laboratory Work in Physiology. DM. (11) Monday, Wednesday, and Thursday, 2:00-5:00

Special Physiology of the Peripheral Nervous System. DM. (10)

XXV. NEUROLOGY.

K 45.

Summer Quarter.

PROFESSOR DONALDSON.

The Development of the Central Nervous System. DM. (5) Thursday, 8:30

Prerequisites: Histology and Embryology.

***Seminar.** DM. (6) Friday, 8:30

Autumn Quarter.

DR. MEYER.

The Architecture of the Central Nervous System. DM. (1) Thursday, 8:30

Prerequisite: General Histology.

Winter Quarter.

PROFESSOR DONALDSON.

Anatomy of the Special Sense Organs. M. 1st Term. (2). 8:30

Prerequisite: General Histology.

The Growth and Physical Characters of the Brain as related to the Intelligence. M. 2d Term. (3) 8:30

Prerequisite: General Histology.

***Seminar.** DM. (6) 8:30

Spring Quarter.

PROFESSOR DONALDSON.

Doctrine of Localization of Function in the Cerebral Cortex. DM. (4) Thursday, 8:30

Prerequisites: Histology and Elementary Physiology.

***Seminar.** DM. (6) Friday, 8:30

DR. MEYER.

Twelve Lectures with demonstrations. M. (7) Friday, 3:00-5:00

An introduction to Comparative Anatomy of the Central Nervous System.

XXVI. PALÆONTOLOGY.

Summer Quarter.

ASSISTANT PROFESSOR BAUR.

Palæontological Field Work. DM. (6)

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Seminar in Phylogeny. (M) (3) 3:00

* Research in the Osteology of Living and Extinct Vertebrates. DMM. (5)

Daily 8:30-12:30, 2:00-4:00

Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter.

ASSISTANT PROFESSOR BAUR.

* Comparative Osteology and Phylogeny of Vertebrates. M. (2) 2 hrs. a week. 11:30

Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

* Seminar in Phylogeny. M. (3)

* Research in the Osteology of Living and Extinct Vertebrates. DMM. (5).

For Prerequisites see Autumn Quarter.

Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates. In connection with course (2). (4)

Spring Quarter.

ASSISTANT PROFESSOR BAUR.

* Comparative Osteology and Phylogeny of Vertebrates (continued). M. (2) 2 hrs. a week. 11:30

* Seminar in Phylogeny. M (3) 3:00

Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates. (4)

* Research in the Osteology of Living and Extinct Vertebrates. DMM. (5) 8:30-12:30

2:00-4:00

XXVII. BOTANY.

Summer Quarter.

MR. CLARKE.

Special Laboratory Work. MM or DM. (6)

Autumn Quarter.

PROFESSOR COULTER.

Plant Morphology. Lectures. $\frac{1}{2}$ DM. (1)

Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (4)

Saturdays, 10:30-12:30

MR. CLARKE.

Plant Evolution. Lectures and class discussions. DM. (7) 8:30

Prerequisite: Elementary Botany in College or High School. Open to the Academic Colleges.

Winter Quarter.

PROFESSOR COULTER.

Plant Anatomy. Lectures. $\frac{1}{2}$ DM. (2)

Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (5)

Saturdays, 10:30-12:30

MR. CLARKE.

Plant Evolution (repeated). Lectures and Class Discussions. DM. (7) 8:30

Prerequisite: Elementary Botany in College or High School. Open to the Academic Colleges.

Spring Quarter.

PROFESSOR COULTER.

Plant Physiology. Lectures. $\frac{1}{2}$ DM. (3)

Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (6)

Saturdays, 10:30-12:30

NOTE: During other days of the week Laboratory Work will be assigned by Professor Coulter. Courses (1, 2 or 3) and (4-6) or (1-6) are to be taken together. Primarily for Graduate Students; open also to the University Colleges.

XXVIII. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2).

Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

Reading aloud. 3 hrs. a week. M. (4)

Monday, Wednesday, and Friday, 4:00

THE ACADEMIC COLLEGES.

NOTE.—The following is a list of the titles of courses to be given in the Academic Colleges from July 1, 1894, to July 1, 1895. For full description of the courses consult the **ANNUAL REGISTER** and the **DEPARTMENTAL PROGRAMMES**. The number of each course in the **REGISTER** is indicated by the figure in parentheses following the title of the course.

REGISTRATION.—Students in residence must register for the Autumn Quarter on or before September 1. The registration card will be filled out in consultation with the Dean. The Dean may be consulted at his Office Hours.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before October 1, 1894. Registration after this day may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

PROFESSOR A. C. MILLER AND MR. HILL.

Principles of Political Economy. DM. (1) 8:30.
Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter.

NOTE.—Either 1A or 1B is required of students who took Course 1 in the Autumn Quarter.

PROFESSOR A. C. MILLER AND MR. HILL.

Advanced Political Economy. DM. (1A) 8:30

DR. CUMMINGS.

Descriptive Political Economy. DM. (1B) 8:30

III. POLITICAL SCIENCE.

C. 1, 9, 10, 12.

Summer Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (71, repeated). 11:30

Autumn Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (71) Repeated in Winter and Spring Quarters. 8:30

IV. HISTORY.

C 5-8.

Summer Quarter.

ASSOCIATE PROFESSOR THATCHER AND MR. CONGER.

The Mediæval Period. DM. (1) 8:30
MR. CONGER.

Geography of Europe. DM. (See Political Science, Course 71).

Autumn Quarter.

ASSOCIATE PROFESSOR THATCHER.

The Mediæval Period (repeated). DM. (1) Section A. 11:30

MR. CONGER.

The Mediæval Period (repeated). DM. (1) Section B. 10:30

MR. CONGER AND MR. CATTERALL.

The Modern Period. DM. (2) 11:30

MR. CONGER.

Geography of Europe. DM. (See Political Science, Course 71.) 8:30

Winter Quarter.

ASSOCIATE PROFESSOR THATCHER AND MR. CONGER.

The Mediæval Period (repeated). DM. (1)

MR. CONGER AND MR. CATTERALL.

The Modern Period (repeated). DM. (2) 11:30

MR. CONGER.

Geography of Europe (repeated). DM. 8:30

Spring Quarter.

ASSOCIATE PROFESSOR THATCHER AND MR. CONGER.

The Mediæval Period (repeated). DM. (1)

MR. CONGER AND MR. CATTERALL.

The Modern Period (repeated). DM. (2) 8:30

MR. CONGER.

Geography of Europe (repeated). DM. (See Political Science, Course 71). 11:30

NOTE.—Courses 1 and 2 are required of all students who intend to present themselves as candidates for the Bachelor's degree. They are accordingly repeated each Quarter.

XI. THE GREEK LANGUAGE AND LITERATURE.**B 2-8.***Summer Quarter.*

MR. W. B. OWEN.

Xenophon. (Memorabilia); Plato (Apology and Crito). DMM. (2). 8:30 and 3:00

DR. HUSSEY.

Readings and Studies in the Odyssey. M. 2d Term. (10) 10:30

MR. HEIDEL.

Demosthenes as an Orator and a Man. M. 2d Term. (11) 11:30*Autumn Quarter.*

PROFESSOR TARBELL.

Two Plays of Euripides. DM. (5) 9:30

ASSISTANT PROFESSOR CASTLE.

Xenophon (Memorabilia); Plato (Apology and Crito). DM. (2) 9:30

MR. W. B. OWEN.

Homer (Selections from the Odyssey). DM. (3) 10:30**Homer (Iliad, Books I-III). Review of Greek Grammar.**

Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.
DM. (1) 9:30

Winter Quarter.

PROFESSOR SHOREY (WITH MR. OWEN).

Homer (Iliad). DM. (18)

ASSISTANT PROFESSOR CASTLE.

Xenophon, Memorabilia, Plato, Apology of Socrates. DM. (2)

MR. W. B. OWEN.

Homer (Iliad, Books I-III). With (3). 11:30**Review of Greek Grammar.**

Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.
DM. (1) 9:30

Spring Quarter. Revised.

ASSISTANT PROFESSOR CASTLE.

Lysias (Selected Orations) and Isocrates, Panegyricus. M. (4) 9:30

Not open to students who take Course 2.

Attic Orators. DM. (17)**XII. THE LATIN LANGUAGE AND LITERATURE.****B 2-8.***Summer Quarter.*

MR. C. H. MOORE.

Livy; the Writing of Latin. M. Second Term. (6) 9:30**Horace (Odes). M. Second Term. (7) 10:30**

MR. WALKER.

Cicero (de Senectute); the Writing of Latin. M. First Term. (4) 9:30**Terence. M. First Term. (5) 10:30***Autumn Quarter.*

ASSISTANT PROFESSOR MILLER.

Terence (Phormio); Tacitus (Germania and Agricola); the Writing of Latin. DM. (5a) 9:30**Horace (Odes); Wilkins' Primer of Roman Literature. DM. (6a) 10:30**

MR. C. H. MOORE.

Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 1. DM. (4a) 8:30

MR. WALKER.

Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 2. DM. (4b) 9:30

Cicero (Orations). DM. (1) 8:30
 Courses 1, 2, and 3 (which are to be taken in this order) are open only to students in the course in Science, and are required of them.
 Courses 4, 5, and 6 (which are to be taken in this order) are required of students in the courses of Arts and Letters.
 The elective Courses 7 and 8 are open to students who have completed Courses 4, 5, and 6.

*Winter Quarter.***MR. ———**

Cicero (Letters). (Academic College elective course.) DM. (8) 10:30
 Open to students who have completed the required three majors in Latin.

ASSISTANT PROFESSOR MILLER.

Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 1. DM. (4c)
Horace (Odes); Wilkins' Primer of Roman Literature. DM. (6b)

MR. C. H. MOORE.

Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 2. DM. (4d)
Terence (Phormio); Tacitus (Germania and Agri- cola); the Writing of Latin. Section 1. DM. (5b)

MR. WALKER.

Terence (Phormio); Tacitus (Germania and Agri- cola); the Writing of Latin. Section 2. DM. (5c)
Virgil (Æneid). DM. (2)

*Spring Quarter.***MR. ———**

Cicero (the Tusculan Disputations). (Academic College elective course.) DM. (8)

ASSISTANT PROFESSOR MILLER.

Terence (Phormio); Tacitus (Germania and Agri- cola); the Writing of Latin. Section 1. DM. (5d)

MR. C. H. MOORE.

Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. DM. (4e)
Terence (Phormio); Tacitus Germania and Agri- cola); the Writing of Latin. Section 2. DM. (5e)
Horace (Odes); Wilkins' Primer of Roman Lit- erature. Section 1. DM. (6c)

MR. WALKER.

Horace (Odes); Wilkins' Primer of Roman Lit- erature. Section 2. DM. (6d)
Selections from Ovid, Horace, Catullus, and Cicero's Letters. DM. (3)

XIII. ROMANCE LITERATURE AND PHILOLOGY.**B 12-16.***Summer Quarter.***MR. HOWLAND.**

French. Chardenal's Grammar and Knapp's Read- ings. DM. 8:30

*Autumn Quarter.***ASSISTANT PROFESSOR BERGERON.**

Elementary French. DM. (1) 11:30

MR. HOWLAND.

Elementary French. DM. (1) 10:30

MISS WALLACE.

Elementary Spanish. DM. (23) 10:30

*Winter Quarter.***ASSISTANT PROFESSOR BERGERON.**

Elementary French (continued). DM. (2) 11:30

MR. HOWLAND.

Elementary French (continued). DM. (2) 10:30

DR. DE POYEN-BELLISLE.

Elementary French. DM. (1) 11:30

MISS WALLACE.

Spanish. Knapp's Spanish Readings; Composition. DM. (24) 10:30

*Spring Quarter.***ASSISTANT PROFESSOR BERGERON.**

Elementary French (continued). DM. (3) 11:30

MR. HOWLAND.

Elementary French (continued). DM. (3) 10:30

DR. DE POYEN-BELLISLE.

Elementary French (continued). DM. (2) 11:30

MISS WALLACE.

Spanish Advanced Modern Reading. Pardo Bazán; Pascual Lopez. DM. (25) 10:30

XIV. THE GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

Summer Quarter.

ASSOCIATE PROFESSOR CUTTING.

German Lyrics. DM. (33) 10:30

For students who have passed the entrance examination in German (2).

DR. VON KLENZE.

Elementary Course. DMM. (29) 8:30 and 11:30

Required of all Academic College students who entered without German.

MR. MULFINGER.

Modern Prose. DM. (31) 2:00

For students who have passed the entrance examination in German (1).

Autumn Quarter.

ASSOCIATE PROFESSOR CUTTING.

Intermediate Course. DM. (30) 9:30

Prerequisite: Course (29) or its equivalent.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

Modern Prose. DM. (31) 8:30

For students who have passed the entrance examination in German (1).

MR. MULFINGER.

Elementary Course. DMM. (29) 8:30 and 3:00

For students who enter without German.

Winter Quarter.

ASSOCIATE PROFESSOR CUTTING.

Early Nineteenth Century Prose. DM. (34)

For students who have passed the entrance examination in German (2).

Prerequisite: Course (31) or its equivalent.

MR. MULFINGER.

Elementary Course. DMM. (29) 8:30 and 3:30

For students who enter without German.

Intermediate Course. DM. (30) 11:30

Prerequisite: Course (29) or its equivalent.

Spring Quarter.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

Outline Study of Goethe's Works. DM. (35) 10:30

For students who have passed the entrance examination in German (2).

DR. VON KLENZE.

Intermediate Course. DM. (30) 8:30

Prerequisite: Course (29) or its equivalent.

MR. WOOD.

Elementary Course. DMM. (29) 8:30 and 11:30

For students who enter without German.

XV. THE ENGLISH LANGUAGE AND LITERATURE,
AND RHETORIC.

D 8-10.

Summer Quarter.

PROFESSOR L. A. SHERMAN.

Studies in the Interpretation of Shakespeare. DM. (1)

MR. HERRICK.

Rhetoric and English Composition. DM. (1)

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. 2:00.

Daily Themes. DM. (7)

MR. LOVETT.

English Literature. A course in the study of Masterpieces: Shakespeare, Milton, Addison, Swift, Scott, Browning, Tennyson. 2 MM. First and Second Terms. (10)*Autumn Quarter.*

ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.

English Literature. DM. (10)

Prerequisite: Course (1 A).

Required of all Academic College students.

Section a, 10:30

Section b, 2:00

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes, and exercises for one Quarter.

Section a, 10:30

Section b, 11:30

Section c, 2:00

(1 C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges. Consultation Wednesdays, 1:30.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Students who elect Course 2 are excused from Course 1C.]

MR. LOVETT.

English Composition. DM. (2) 8:30

Prerequisite: Course (1 A) and (1 B).

[Students who elect Course 2 are excused from 1 C.]

Winter Quarter.

ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.

English Literature. DM. (10, repeated). 10:30

Required of all Academic College students.

Prerequisite: Course (1 A).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes and exercises for one Quarter. 2:00

(1B) Themes to follow (1A) for two Quarters. Attendance at consultation hours required: Wednesdays, 1:30

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges. Consultation Wednesdays, 1:30.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Students who elect Course 2 are excused from Course 1 C.]

ASSOCIATE PROFESSOR MCCLINTOCK.

Shakespeare; the Interpretation of Representative Plays. DM. (42) 10:30

ASSISTANT PROFESSOR BLACKBURN.

History of the English Language. DM. (55) 2:00

Spring Quarter.

ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.

English Literature. DM. (10, repeated).

Required of all Academic College students.

Prerequisite: Course (1 A).

MESSRS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. 2:00

(1B,) continued. Themes to follow (1A) for two Quarters. Attendance at consultation hours required. Wednesdays, 1:30 and 4:00.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges. Consultation Wednesdays, 1:30.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Students who elect Course 2 are excused from Course 1 C.]

MR. LOVETT.

English Composition. DM. (2, repeated). 9:30

Prerequisites: Course (1 A) and (1 B.)

[Students who elect Course 2 are excused from Course 1C.]

XVI. BIBLICAL LITERATURE IN ENGLISH.

A. OLD TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.

Special Introduction to the Historical Books. DM. (28)

Autumn Quarter.

DR. KENT.

Outline of Hebrew History. DM. (A29) 11:30

Winter Quarter.

DR. KENT.

Isaiah I-XXXIX. M. 2d Term. (12)

The Minor Prophets of the Assyrian Period. M 1st Term. (18)

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Biblical Chronology. M. 1st Term. (37)

ASSOCIATE PROFESSOR HARPER.

Palestinian Geography. M. 1st Term. (53)

Assyrian and Babylonian Life. M. 2d Term. (85)

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Epistles of the Apostle Paul. M. 2d Term. (B 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.

The Founding of the Christian Church. DM. (B 4) 11:30

Spring Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Gospel of Matthew. M. 1st Term. (B 7)

MR. VOTAW.

History of the New Testament Times. DM. (B 1) 10:30

XVII. MATHEMATICS.

R.

Summer Quarter.

MR. SLAUGHT.

Plane Trigonometry. 1st Term. M. (3) 7:30

MR. SMITH.

Plane Analytic Geometry. Advanced course. DM. (6) 8:30

MR. HUTCHINSON.

Differential and Integral Calculus. First Course. 1st Term. M. (6 A) 1:45

Autumn Quarter.

Required Mathematics.

Two consecutive double minors of mathematics are required of every student in the first year of residence. The subjects are, in order: *Plane trigonometry, the elements of the analytic geometry of the conic sections, and the elementary theory of finite and infinite algebraic and trigonometric series.*

This course will be given in 1894-95 in seven sections: Course 1, sections 1a, 1b, 1c, 1d, during the Autumn and Winter Quarters; Course 2, sections 2a, 2b, 2c, during the Winter and Spring Quarters.

Students wishing to study Chemistry or Physics or to elect *Culture Calculus* (Course 5) should enter section 1a, 1b, 1c, or 1d.

If students are allowed to matriculate with entrance conditions in mathematics, they are expected to remove these conditions at the next regular entrance examination, and, until this has been done, they may not take the required college mathematics.

Academic College Electives in Mathematics.

Courses (5), *Culture Calculus* (Double Minor, Spring Quarter) and (4) *Analytics and Calculus* (three consecutive Double Minors). Students intending to specialize in Mathematics, in Astronomy, or in Physics should arrange their work so as to take *Analytics and Calculus* in their second year of residence.

DR. BOYD.

Analytics and Calculus. DM. (4)

Academic College Elective. To be continued through three quarters. First quarter: Casey's *Treatise on Conic Sections*. With fortnightly *Colloquium*. 10:30

Required Mathematics. Section 1a; first quarter. DM. (1a) 8:30

Required Mathematics. Section 1b; first quarter. DM. (1b) 9:30

DR. HANCOCK.

Required Mathematics. Section 1c; first quarter. DM. (1c) 10:30

Required Mathematics. Section 1d; first quarter. (1d) 11:30

Winter Quarter.

DR. BOYD.

Analytics and Calculus. Academic College Elective. To be continued through three quarters. Second quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4) 10:30

Required Mathematics. Section 1a; second quarter. DM. (1a) 8:30

Required Mathematics. Section 1b; second quarter. DM. (1b) 9:30

DR. HANCOCK.

Required Mathematics. Section 1c; second quarter. DM. (1c) 10:30

Required Mathematics. Section 1d; second quarter. DM. (1d) 11:30

MR. SMITH.

Required Mathematics. Section 2a; first quarter.
DM. (2a) 2:00

MR. DICKSON.

Required Mathematics. Section 2b; first quarter.
DM. (2b) 10:30

MR. BROWN.

Required Mathematics. Section 2c; first quarter.
DM. (2c) 11:30

*Spring Quarter.***DR. YOUNG.**

Culture Calculus: Introduction to the Differential and Integral Calculus. This *Academic College Elective* is general and summary, and is intended to give to those who do not wish to study Mathematics further an idea of this important instrument of mathematical thought. DM. (5)
Prerequisite: *Required Mathematics*.

DR. BOYD.

Analytics and Calculus. *Academic College Elective.* To be continued through three quarters. Third quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4) 10:30

DR. HANCOCK.

Required Mathematics. Section 2a; second quarter. DM. (2a)

Required Mathematics. Section 2b; second quarter. DM. (2b)

Required Mathematics. Section 2c; second quarter. DM. (2c)

XIX. PHYSICS.**R.***Summer Quarter.***ASSOCIATE PROFESSOR STRATTON.**

General Physics. 5 hrs. a week. DM. (5) 8:30
Prerequisite: *Plane Trigonometry*.

MR. HOBBS.

Laboratory Practice. 10 hrs. a week. DM. 2:00
Prerequisite: *First Quarter of (5)*.

*Winter Quarter.***ASSOCIATE PROFESSOR STRATTON.**

General Physics. DM. (5)
Lectures, Tuesday-Saturday, 9:30
Prerequisite: *Plane Trigonometry*.

ASSISTANT PROFESSOR WADSWORTH.

Laboratory Practice. (General). DM. (6)
Tuesday-Saturday, 10:30-12:30
Prerequisite: *First Quarter of (5)*

*Spring Quarter.***ASSOCIATE PROFESSOR STRATTON.**

General Physics. DM. (5)
Tuesday-Saturday, 9:30
Prerequisite: *Plane Trigonometry*.

ASSISTANT PROFESSOR WADSWORTH.

Laboratory Practice. (General). DM. (6)
10:30-12:30
Prerequisite: *First Quarter of (5)*.

XX. CHEMISTRY.**K.**

Laboratory Fees, see (Ogden) Graduate School.

*Summer Quarter.***DR. STIEGLITZ.**

General Inorganic Chemistry. DMM. (2) Monday-Thursday at 11:30. Laboratory work Monday, Tuesday, and Wednesday, 2:00-5:00.
Prerequisite: *Academic College course in Physics, including laboratory work.*

*Autumn Quarter.***ASSISTANT PROFESSOR SMITH.**

General Inorganic Chemistry. Introductory course. DM. (1) First Term, Monday, Tuesday, Wednesday, Thursday, and Friday, 11:30. Second Term, Monday, Tuesday, and Wednesday, 11:30; Laboratory, Monday and Tuesday, 2:00-5:00.

Prerequisite: *See Course 2, Summer Quarter.*
A continuous course through three quarters.

General Chemistry. Chiefly laboratory work. M. (3) Second Term.

Monday and Tuesday, 2:00-5:00

*Winter Quarter.***ASSISTANT PROFESSOR SMITH.**

General Inorganic Chemistry. Introductory course. DM. (1 continued) Monday, Tuesday, and Wednesday, at 11:30, and Laboratory, Monday and Tuesday, 2:00-5:00.

Prerequisite: *Course 1 in First Quarter.*

General Chemistry. Chiefly laboratory work. DM. (3)

Spring Quarter Revised.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. Introductory course.
DM. (1 continued) 11:30 and 2:00-5:00
Prerequisite: Course 1 in First and Second
Quarters.

General Chemistry. Chiefly laboratory work. DM.
(3)

XXI. GEOLOGY.

W.

Autumn Quarter.

PROFESSOR SALISBURY.

Physiography. DM. (1) 9:30

Winter Quarter.

Physiography. DM. (1, repeated). 9:30
Course (1) in the Winter Quarter will be given
by a fellow of the department.

XXII. ZOOLOGY.

S.

Laboratory Fees, see Ogden (Graduate) School.

Summer Quarter.

DR. JORDAN.

General Biology. DM. (19) 9:30
Prerequisites: Elementary Chemistry and
Physics.

Autumn Quarter.

DR. JORDAN.

General Biology. DM. (13) 9:30
Prerequisites: Elementary Chemistry and
Physics.
Laboratory work, 2:00-5:00.

Winter Quarter.

DR. JORDAN.

General Biology (continued). DM. (15) 9:30
Prerequisites: Elementary Chemistry and
Physics.
Laboratory work, 2:00-5:00.

XXIV. PHYSIOLOGY.

S.

Summer Quarter.

DR. LINGLE.

Introductory Physiology. DM. (5)

Autumn Quarter.

DR. LINGLE.

Introductory Physiology (repeated). DM. (5) 2:00

XXVI. PALÆONTOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoology and Palæontology.
M. 2 hrs. a week. (1) 11:30
Prerequisite: Elementary Zoology.

XXVII. BOTANY.

Summer Quarter.

MR. CLARKE.

Elementary Practical Botany. DM., MM., or DMM.
(7)

Spring Quarter.

MR. CLARKE.

Elementary Practical Botany (repeated). DM. (7)

XXVIII. ELOCUTION.

Autumn Quarter.

MR. CLARK.

Theory and Practice. One hour a week during the
year. 6 sections. Required of students in 2d
year of Academic College. (1)
Monday and Saturday 8:30, 9:30 and 10:30
Advanced Elocution. 3 hrs. a week. M. (2) Open
to the University Colleges and to students who
have completed elsewhere work equivalent to
Course 1.

Tuesday, Wednesday and Friday 11:30

Winter Quarter.

MR. CLARK.

Theory and Practice (continued). 6 sections. One
hour a week. (1)
See Autumn Quarter.

**Original Oratoric Composition and Extempora-
neous Speech.** M. 1st Term. (3) 11:30
Prerequisites: 1 and 2.

Spring Quarter.

MR. CLARK.

Theory and Practice (continued). 6 sections. One
hour a week. (1)
See Autumn Quarter.

Dramatic Reading. M. (5)

Monday, Wednesday and Friday 3:00

XXIX. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all undergraduate students not excused on account of physical disability, during four half-hours a week. Six Quarters' work in Physical Culture is required of Academic College students and four Quarters of University College students. Students taking an excessive number of cuts will not be allowed to continue their University work until they shall conform to the requirements. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it

receive work which tends to symmetrical development.

Students will select their period for class work from the following: Men—8:45, 9:45, 10:45, 11:45 A.M.; 5:15 P.M. Women—9:45 A.M., 11:45 A.M., 4:45 P.M., and 5:15 P.M. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday, and Friday of each week. Bulletins containing appointments for physical examination and departmental communications will be posted.

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

JULY 1, 1894, TO JULY 1, 1895.

THE GRADUATE DIVINITY SCHOOL.

NOTE.—The following is a list of the titles of courses to be given in the Divinity School from July 1, 1894, to July 1, 1895.

For a complete description of the courses consult the ANNUAL REGISTER, the DIVINITY SCHOOL CIRCULAR OF INFORMATION and the DEPARTMENT PROGRAMMES. The number of each course in the REGISTER is indicated by the number in parentheses following the title of the course.

The hours of the exercise will be announced in the Time Schedule. The days on which exercises are held will be indicated by the instructor.

ABBREVIATIONS: A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the descriptions of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major

REGISTRATION.—Students in residence must register for the Autumn Quarter on or before September 1; the registration card may be obtained from the Dean. The student will, (1) write upon the card the titles and numbers of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done, and (3) deposit the same in the office of the Dean on or before September 1.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before October 1, 1894. Registration after this date may be secured only (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

XLI. OLD TESTAMENT LITERATURE AND INTERPRETATION.

D. 12-16.

Departments XLI and VIII are identical. The courses offered in XLI are the same as those in VIII.

Summer Quarter.

HEAD PROFESSOR HARPER.

Book of Hosea. DM. (24)	7:30
The Arabic Language. The Earlier Suras. M. 1st Term. (86)	10:30
Advanced Hebrew Grammar. M. 2d Term. (94)	9:30

PROFESSOR BURNHAM.

Advanced Hebrew Grammar—Syntax. M. 1st Term. (95)	9:30
The Psalter. M. 1st Term. (22a)	10:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

Hebrew Language. MM. 2d Term. (3)	8:30
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ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (2)	8:30-11:30
Deuteronomy. M. 1st Term. (9)	9:30

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (92)	3:00
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ASSOCIATE PROFESSOR HARPER.

Early Assyrian Historical Inscriptions. DM. (23)	
Assyrian Language. M. 1st Term. (71)	11:30
Assyrian Language. MM. 2d Term.	2:00-4:00
The Book of Proverbs. M. 2d Term. (27)	9:30
Micah. M. 1st Term. (21)	10:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5)	9:30
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Autumn Quarter.

HEAD PROFESSOR HARPER.

Books of Joel, Amos, Obadiah and Jonah. DM. (42)	7:30
Earlier Suras of the Kuran. DM. (87)	8:30
Semitic Seminar. DM. (102) Tuesday, 7:30-9:30	

PROFESSOR HIRSCH.

General Introduction to Rabbinical Literature. M. 1st Term. (55)	2:00
Mishnah. M. 2d Term. (56)	2:00

ASSOCIATE PROFESSOR PRICE.

Special Introduction to Prophetic Books. DM. (38) 3:00

Bilingual Babylonian Psalm Literature. Seminar DM. (81) Thursday, 3:00-5:00

ASSOCIATE PROFESSOR GOODSPEED

Beginnings of Hebrew History. DM. (30) 2:00

History of the Persian Empire. DM. (34) 4:00

Earliest Historical Religions. DM. (49) 3:00

ASSOCIATE PROFESSOR HARPER.

Beginners' Syriac. DM. (68) 2:00

Assyrian Language. DM. (72) 3:00

Later Historical Inscriptions. DM. (74) 4:00

DR. CRANDALL.

Books of Chronicles. 11:30

DR. KENT.

Outline of Hebrew History. DM. (29) 11:30

MR. BREASTED.

Elementary Egyptian. DM. (106) 8:30

Religious Egyptian Texts. DM. (112) 9:30

Winter Quarter.

HEAD PROFESSOR HARPER.

Early Old Testament Traditions. DM. (47) 7:30

Phœnician. M. 1st Term. (98) 9:30

Arabic History, Geography, and Commentary. DM. (91) 8:30

Semitic Seminar. M. 2d Term. (102) Tuesday, 7:30-9:30

PROFESSOR HIRSCH.

Talmud. M. 1st Term. (57) 2:00

Talmud (advanced work). DM. (58) 3:00

ASSOCIATE PROFESSOR PRICE.

Hebrew Lexicography. (Seminar.) DM. (96) Thursday, 3:00-5:00

Special Introduction to Hebrew Poetry and Poetical Books. M. 1st Term. (41) 3:00

Messianic Prophecy. DM. (40) 4:00

Biblical Aramaic. M. 2d Term. (66) 3:00

ASSOCIATE PROFESSOR HARPER.

Advanced Syriac. DM. (69) 2:00

Selected Assyrian Historical Inscriptions. DM. (75) 3:00

DR. CRANDALL.

Deuteronomy—Sight Reading. 1st Term. $\frac{1}{2}$ M. (8) 8:30

Jeremiah—Sight Reading. 2d Term. $\frac{1}{2}$ M. (14) 8:30

MR. BREASTED.

Egyptian Texts. DM. (107)

Coptic Language. DM. (114)

Spring Quarter.

HEAD PROFESSOR HARPER.

Old Testament Institutions and Laws. DM. (48) 7:30

Semitic Seminar. DM. (102) Tuesday, 7:30-9:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

Beginning Hebrew. MM. 1st Term. (1) 8:30

Books of Samuel. MM. 2d Term. (4) 8:30

PROFESSOR HIRSCH.

Targum. 1st Term. M. (67) 2:00

Talmud (Jerusalemic). DM. (59) 3:00

Syriac Authors. DM. (70) 4:00

Coptic. M. (113) 2:00

Arabic: Thousand and One Nights. DM. (90) 2:00

Advanced Ethiopic. M. (101) 3:00

ASSOCIATE PROFESSOR PRICE.

The Psalter. DM. (26) 3:00

History, Principles, and Methods of Old Testament Interpretation. (Seminar.) DM. (46) Thursday, 3:00-5:00

ASSOCIATE PROFESSOR GOODSPEED.

History of Hebrew Monarchy. DM. (32)

History of Ancient Egypt. M. 1st Term. (35)

History of the Hebrew Religion. DM. (50)

The History of Babylonia and Assyria. M. 2d Term. (35) 4:00

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Life. M. 1st Term. (54) 2:00

Mesopotamian Geography. M. 2d Term. (53) 2:00

Assyrian Letters. DM. (78) 3:00

DR. KENT.

Books of Kings. M. 1st Term. (6) 10:30

Isaiah i-xxxix. M. 2d Term. (11) 10:30

MR. BREASTED.

Late Egyptian. DM. (108)

Coptic Language. Sahidic Dialect. DM. (115)

XLII. NEW TESTAMENT LITERATURE AND INTERPRETATION.

D 11-12.

The Departments XLII and IX are identical. The courses offered in XLII are the same as those in IX.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. Second Term.
(31) 9:30

DR. ARNOLT.

New Testament Syntax: Noun, Pronoun, and Prepositions. M. Second Term. (3) 7:30

Paul's Epistles to the Thessalonians. M. Second Term. (30) 8:30

New Testament Quotations from the Old Testament. Part II. The Epistles. M. First Term.
(41) 7:30

Prerequisites: Courses 1 (or 2), 25 (or 27) and a knowledge of Hebrew.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Life of Paul and Introduction to Pauline Epistles.
DM. (20) 9:30

Prerequisite: Course 1 or 2.

See also under XLIII.

ASSOCIATE PROFESSOR MATHEWS.

History of New Testament Times in Palestine.
DM. (10) 9:30 and 10:30
Prescribed in 1894, and thereafter, for students of the first year in the Graduate Divinity School.

DR. ARNOLT.

Josephus. M. First Term. (49) 8:30

Winter Quarter.

HEAD PROFESSOR BURTON.

New Testament Greek. DM. (1)

Epistle to the Romans. DM. (33)

Prerequisites: Courses 1 (or 2), 25 (or 27), and 20.

Introduction to Synoptic Gospels. DM. (18)

ASSOCIATE PROFESSOR MATHEWS.

Gospel of Luke. DM. (27)

Prerequisite: Course 1 or 2.

Life of Christ. DM. (12)

DR. ARNOLT.

Septuagint. Rapid reading of selected portions.
DM. (44)

Textual Criticism of the New Testament. DM. (8)

Spring Quarter.

DR. ARNOLT.

Christian Literature to Eusebius. DM. (55)

Introduction to the Epistle to the Hebrews, the General Epistles, and the Revelation. DM. (21)

MR. VOTAW.

Rapid Translation and Interpretation of Paul's Epistles. DM. (4)

XLIII. BIBLICAL THEOLOGY.

D 11-16.

A. OLD TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR HARPER.

Old Testament Wisdom Literature. DM. (A.42) 7:30

ASSOCIATE PROFESSOR PRICE.

Special Introduction to the Prophetic Books. DM.
(A. 38) 3:00

Winter Quarter.

HEAD PROFESSOR HARPER.

Form and Contents of Early Old Testament Traditions. DM. (A. 47)

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. DM. (A. 40)

Spring Quarter.

HEAD PROFESSOR HARPER.

Old Testament Institutions and Laws. DM. (A. 48)

ASSOCIATE PROFESSOR GOODSPEED.

History of the Hebrew Religion. DM. (A. 50)

B. NEW TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. A Seminary.
DM. (B. 1) 10:30

Prerequisites: XXX. 1 or 2; and 25 or 27.

Spring Quarter.

HEAD PROFESSOR BURTON.

Theology of the Epistle to the Romans. A Seminary. MM. 1st Term. (B. 6)

Prerequisite: XXXI. 33.

ASSOCIATE PROFESSOR MATHEWS.

Sociological Ideas of the Gospels Exegetically Investigated. A Seminary. DM. (B. 3)

Prerequisites: XXXI. 1 or 2; and 25 or 27.

XLIV. SYSTEMATIC THEOLOGY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR NORTHRUP.

Soteriology. DM. (4) 9:30

Prerequisites: Theology Proper and Anthropology.

Required of students who have been two years in the School.

Seminar in Christology. DMM. (8a)

Tuesdays and Thursdays from 3:00 to 5:00

ASSISTANT PROFESSOR ———.

Apologetics. DM. (2)

Required of students in the first year.

Winter Quarter.

HEAD PROFESSOR NORTHRUP.

Introduction and Theology Proper. DM. (1)

Required of students in the first year.

Seminar in Christology. DMM. (8b)

Tuesdays and Thursdays from 3:00 to 5:00

ASSISTANT PROFESSOR ———.

Eschatology. M. 1st Term. (5)

For third-year students.

Eschatology. M. 2d Term. (5)

For second-year students.

Spring Quarter. Revised.

HEAD PROFESSOR NORTHRUP.

Soteriology. DM. (4)**Seminar in Christology.** DMM. (8c)

Tuesdays and Thursdays from 3:00 to 5:00

XLV. CHURCH HISTORY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR HULBERT.

The Early Church from Constantine to Theodosius.

DM. (2) 8:30

The Pilgrim Fathers and Plymouth Colony. DM.

(32) 9:30

ASSOCIATE PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. DM. (1) 2:00

ASSISTANT PROFESSOR MONCRIEF.

Preparation in England and Bohemia for the Reformation. DM. (9)

10:00

Scholasticism and Mysticism. DM. (6) With Course 9.**The Religious Orders.** DM. (7) With Course 9.**The Mediæval Sects.** DM. (8) With Course 9.**The French Reformation.** DM. (15) 11:30**The Gallican Church.** DM. (21) 11:30*Winter Quarter.*

HEAD PROFESSOR HULBERT.

The Puritan Fathers and the New England Theocracy. DM. (33)

ASSOCIATE PROFESSOR JOHNSON.

The German Reformation. DM. (11)**The Lutheran Church.** DM. (18)

See Course (11).

ASSISTANT PROFESSOR MONCRIEF.

Forerunners of the Reformation in Italy. DM. (10)**The Dutch Reformation.** DM. (16)*Spring Quarter. Revised.*

ASSISTANT PROFESSOR JOHNSON.

The Swiss Reformation. DM. (13) 10:30

XLVI. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

Autumn Quarter.

HEAD PROFESSOR ANDERSON.

Homiletics. DM. (2) 3:00*Winter Quarter.*

HEAD PROFESSOR ANDERSON.

History of Preaching. DM. (3)*Spring Quarter. Revised.*

HEAD PROFESSOR ANDERSON.

Masterpieces of Pulpit Eloquence. DM. (6)

ASSOCIATE PROFESSOR JOHNSON.

Church Polity. M. 1st Term. (4)

ASSOCIATE PROFESSOR HENDERSON.

Pastoral Duties. M. 2d Term. (5)

VI. SOCIOLOGY.

Autumn Quarter.

ASSOCIATE PROFESSOR HENDERSON.

- Organizations for Promoting Social Welfare.** DM.
Seminar. (14) Tuesday, 4:00-6:00
- The Family.** M. 1st Term. (18) 2:00
- Voluntary Associations.** M. 2d Term. (19)
- Social Institutions of Organized Christianity.** M.
2d Term. (15) 2:00

Winter Quarter.

ASSOCIATE PROFESSOR HENDERSON.

- Organizations for Promoting Social Welfare.** DM.
Seminar. (14) Tuesday, 4:00-6:00
- Economical and Governmental Agencies for Advancing General Welfare.** M. 1st Term.
(32) 2:00
- Social Conditions in American Rural Life.** M. 1st
Term. (31) 3:00
- Social Treatment of Dependents and Defectives.**
M (or MM). 2d Term. (16) 2:00

- Modern Cities and Cooperation of their Beneficent Forces.** M. 2d Term. (33) 3:00

Spring Quarter.

ASSOCIATE PROFESSOR HENDERSON.

- Organizations for Promoting Social Welfare.** DM.
Seminar. (14) Tuesday, 4:00-6:00
- Social Treatment of Crime and Criminals.** M (or
MM). 1st Term. (17) 2:00
- Sociology of the New Testament.** M. 2d Term.
(34) 2:00
- Historical Development of the Great Philanthropies and Reforms.** M. 1st Term. (35) 3:00

XXVIII. ELOCUTION.

Autumn Quarter.

MR. CLARK.

- Advanced Elocution.** 3 hrs a week. M. (2)
Tuesday, Wednesday, and Friday, 11:30

Summer Quarter.

MR. CLARK.

- Reading aloud.** 3 hrs. a week. M. (4)
Monday, Wednesday, and Friday, 4:00

THE ENGLISH THEOLOGICAL SEMINARY.

XVI. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Courses in this department in the Graduate School and the Colleges, are open to students in the Divinity School.

A. OLD TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.

- Special Introduction to the Historical Books.**
DM. (28)

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

- The Minor Prophets.** DM. (A 17) 4:00

DR. KENT.

- Outline of Hebrew History.** DM. (A 29) 11:30

Winter Quarter.

DR. KENT.

- Isaiah, I-XXXIX.** M. 2d Term. (12)
- The Minor Prophets of the Assyrian Period.**
M. 1st Term. (18)

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

- Biblical Chronology.** M. 1st Term. (37)

ASSOCIATE PROFESSOR HARPER.

- Palestinian Geography.** M. 1st Term. (53)
- Assyrian and Babylonian Life.** M. 2d Term. (85)

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

- The Second Group of the Epistles of the Apostle Paul.** M. 2d Term. (B 15) 8:30

MR. VOTAW.

- The Gospel of John.** M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.

- The Founding of the Christian Church.** DM.
(B 4) 11:30
- The Teaching of Jesus.** DM. (B. 2) 10:30

Spring Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Gospel of Matthew. M. 1st Term. (B 7)

MR. VOTAW.

History of the New Testament Times. DM. (B1)
10:30

XLIV. SYSTEMATIC THEOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR ———

Inspiration, Theology Proper. DM. (19)
Soteriology. DM. (21)*Winter Quarter.*

ASSISTANT PROFESSOR ———

Anthropology. M. 2d Term. (20)
Eschatology. M. 1st Term. (22)*Spring Quarter.*

ASSISTANT PROFESSOR ———

Soteriology. MM. 1st Term. (21)

XLV. CHURCH HISTORY.

Winter Quarter.

ASSOCIATE PROFESSOR JOHNSON.

Prior to Constantine. DM. (1) 2:00*Spring Quarter.*

HEAD PROFESSOR HULBERT.

From Constantine to Theodosius. DM. (2)

XLVI. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

Autumn Quarter.

ASSOCIATE PROFESSOR JOHNSON.

Homiletics. DM. (6a) 3:00*Spring Quarter.*

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. DM. (4a)

ASSOCIATE PROFESSOR JOHNSON.

Sermons and Sermon-Plans. M. 2d Term. (7)

VI. SOCIOLOGY.

Autumn Quarter.

ASSOCIATE PROFESSOR HENDERSON.

The Family. M. 1st Term (18) 2:00**Social Institutions of Organized Christianity.**
M. 2d Term. (15) 2:00*Winter Quarter.*

ASSOCIATE PROFESSOR HENDERSON.

Social Conditions in American Rural Life.

M. 1st Term. (31) 3:00

Social Treatment of Dependents and Defectives.
M. 2d Term. (16) 2:00*Spring Quarter.*

ASSOCIATE PROFESSOR HENDERSON.

Sociology of the New Testament. M. 1st Term.
(34) 2:00

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

L. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION. (DAN.-NOR.)

Autumn Quarter.

ASSISTANT PROFESSOR GUNDERSON.

General Introduction. M. 1st Term. (1) 8:30**Particular Introduction.** M. 1st Term. (2) 9:30**The Principles of Biblical Interpretation.** M. 2d
Term. (3) 8:30**Exegesis. The Epistle to the Galatians.** M. 2d
Term. (6) 9:30*Winter Quarter.*

ASSISTANT PROFESSOR GUNDERSON.

Exegesis. The Epistle to the Romans. DM. (7)**The Parables of Our Lord.** DM. (5)*Spring Quarter. Revised.*

ASSISTANT PROFESSOR GUNDERSON.

Sacred Geography and Biblical Antiquities. M. 1st
Term. (4) 9:30**The Epistle to the Ephesians.** M. 1st Term. (8)
10:30

LI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Winter Quarter.

PROFESSOR JENSEN.*

Introduction to the Science of Christian Theology.
M. 1st Term. (1)

Antecedents of Redemption. M. 1st Term.
(2)

Redemption Itself. M. 2d Term. (3)

Consequents of Redemption. M. 2d Term.
(4)

Spring Quarter.

PROFESSOR JENSEN.*

Church Polity. M. 1st Term. (5)

New Testament Ethics. M. 1st Term. (6)

LII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Autumn Quarter.

PROFESSOR JENSEN.*

Theory of Preaching. M. 1st Term. (1) 10:30

Sermonizing and Preaching. DM. (2) 11:30

Pastoral Theology. 2d Term. (3) 10:30

THE SWEDISH THEOLOGICAL SEMINARY.

LV. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION. (SWEDISH.)

Autumn Quarter.

ASSISTANT PROFESSOR MORTEN.

An Outline of Israelitish History. M. 2d Term. (1)
8:30

The Gospels in Harmony. DM. (3) 9:30

First and Second Thessalonians. M. 1st Term.
(4) 10:30

The Epistle to the Romans. M. 1st Term. (5)
10:30

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

Biblical Interpretation. M. 1st Term. (2)

The Doctrine of God. M. 2d Term. (4)

The Last Things. M. 1st Term. (8)

Symbolics. M. 2d Term. (9)

Spring Quarter.

PROFESSOR LAGERGREN.

The Doctrine of Man. M. 1st Term. (5) 2:00

Pastoral Duties. M. 1st Term. (10) 3:00

LVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES. (SWEDISH.)

Autumn Quarter.

PROFESSOR LAGERGREN.

Theological Prenotions. M. 1st Term. (1) 2:00

General Introduction. M. 2d Term. (2) 2:00

The Doctrine of Redemption and Salvation.
M. 1st Term. (6) 3:00

The Doctrine of the Church, or Church Polity.
M. 2d Term. (7) 3:00

Winter Quarter.

PROFESSOR LAGERGREN.

The Bible a Revelation from God. M. 1st Term. (3)

LVII. CHURCH HISTORY. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Ancient Church History. M. 1st Term. (1)

Mediæval Church History. M. 2d Term. (2)

Spring Quarter.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. M. 1st Term. (3) 9:30

LVIII. HOMILETICS. (SWEDISH.)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. M. 1st Term. (1)

Practical Homiletics. M. 2d Term. (2)

* In the absence of Professor Jensen, instruction is given by Professor Wold.

TIME SCHEDULE.

AUTUMN QUARTER, 1894.

The Laboratory, Research, and Field Work of the Departments in the Ogdem School of Science is only partially indicated in this time schedule.

Hours.	DIVINITY SCHOOL.	GRADUATE SCHOOL AND UNIVERSITY COLLEGE OF ARTS AND LITERATURE.	OGDEM (GRADUATE) SCHOOL AND UNIVERSITY COLLEGE OF SCIENCE.	ACADEMIC COLLEGES.
A. M. 7: 30		Hebrew Prophets (<i>W. R. Harper</i>). Semitic Seminar (<i>W. R. Harper</i>). Tuesday, 7: 30-9: 30.		
8: 30	Church History: Constantine to Theodosius (<i>Hulbert</i>). General Introduction (<i>Gunderson</i>). 1st Term. Biblical Interpretation (<i>Gunderson</i>). 2d Term. Israelitish History (<i>Morten</i>). 2d Term.	Experimental Psychology (<i>Angell</i>). Principles of Polit. Econ. (<i>A. C. Miller and Hull</i>). Soc. and Econ. Ideals (<i>Cummings</i>). General Jurisprudence (<i>Freund</i>). Geography of Europe (<i>Conger</i>). Seminar: English History (<i>Terry</i>). Monday and Saturday, 8: 30-10: 30. Province of Sociology (<i>Small and Vincent</i>). Earlier Suras of Kur'an (<i>W. R. Harper</i>). Josephus (<i>Arnold</i>). 1st Term. Seneca (<i>Chandler</i>). French Literature of 19th Cent. (<i>Bergeron</i>). Spanish Literature (<i>Wallace</i>). Heine's Prose and Poetry (<i>Cutting</i>). Gothic (<i>von Klenze</i>). Blank verse (<i>Wilkinson</i>). Browning and Meredith (<i>Triggs</i>)	Projective Geometry (<i>Moore</i>). Theoretical Chemistry (<i>Langfeld</i>). Tue. and Fri. The Carbohydrates (<i>Stieglitz</i>). Mon. and Thurs. Special Bacteriology (<i>Jordan</i>). Neurology (<i>Meyer</i>). Thurs. Botany (<i>Clarke</i>).	Princ. of Pol. Econ. (<i>Miller and Hull</i>). Geography of Europe (<i>Conger</i>). Cicero; Livy, etc. Sec. 1 (<i>Moore</i>). Cicero, Orations (<i>Walker</i>). German Modern Prose (<i>Schmidt-Warzenberg</i>). Elementary German (<i>Mulfinger</i>). English Composition (<i>Lowett</i>). Required Mathem. 1a (<i>Boyd</i>). Botany (<i>Clarke</i>). Elocution. 1 (<i>Clark</i>). Mon. and Sat.
9: 30	Soteriology (<i>Northrup</i>). Pilgrim Fathers (<i>Hulbert</i>). Particular Introduction (<i>Gunderson</i>). 1st Term. Galatians (<i>Gunderson</i>). 2d Term. Gospels in Harmony (<i>Morten</i>).	Logic of Ethics (<i>Devey</i>). Hist. Polit. Econ. (<i>A. C. Miller and Cummings</i>). Statistics (<i>Hounrich</i>). Comparative Politics (<i>Judson</i>). Paul and Pauline Epistles (<i>Barton</i>). History of New Testament Times (<i>Mathews</i>). French, adv. Syntax and Comp. (<i>Bergeron</i>). Historical French Grammar (<i>Poyen-Bellisle</i>). Old Spanish (<i>Houland</i>). Goethe's Lyrical Poetry (<i>von Klenze</i>). Criticism of Criticism (<i>Wilkinson</i>). 1st Term. History and Fiction (<i>Wilkinson</i>). 2d Term. English Drama (<i>Tolman</i>). English Poetry in the Elizabethan Age (<i>Curpenter</i>)	Elliptic Modular Functions (<i>Moore</i>). Theory of Functions of a Complex Variable (<i>Boles</i>). Laboratory Methods (<i>Stratton</i>). Thurs.-Sat. Instruments of Precision (<i>Wadsworth</i>). Mon., Tue. and Wed. Crystallography (<i>Iddings</i>). 1st Term. Physical Mineralogy (<i>Iddings</i>). 2d Term. Original Investigation in Physiology (<i>Loeb</i>). Botany (<i>Coulter</i>). Sat.	Euripides (<i>Tarbell</i>). Xenophon; Plato (<i>Castle</i>). Review of Greek Grammar (<i>Owen</i>). Terence; Tacitus. Sec. 1 (<i>Miller</i>). Cicero; Livy, etc. Sec. 2 (<i>Walker</i>). German, Interned. Course (<i>Cutting</i>). Required Mathem. 1b (<i>Boyd</i>). Physiography (<i>Saltisbury</i>). General Biology (<i>Jordan</i>). Elocution. 1 (<i>Clark</i>). Mon. and Sat.
10: 30	History of New Testament Times (<i>Mathews</i>). Theology of Synoptic Gospels (<i>Barton</i>). Preparation for the Reformation (<i>Monettef</i>). Teaching of Jesus (<i>Votaw</i>). Theory of Preaching (<i>Wold</i>). 1st Term. Pastoral Theology (<i>Wold</i>). 2d Term. Thessalonians (<i>Morten</i>). 1st Term. Romans (<i>Morten</i>). 2d Term.	Seminar: Metaphysical Thought (<i>Devey</i>). General History of Philosophy (<i>Tufts</i>). Socialism (<i>Veblen</i>). International Law (<i>Judson</i>). House Sanitation (<i>Talbot</i>). Elementary Egyptian (<i>Breasted</i>). Introd. to Indo-Eur. Philol. (<i>Buck</i>). 1st Term. Comp. Gram. of Greek and Latin (<i>Buck</i>). 2d Term. Greek Epigraphy (<i>Tarbell</i>). Demosthenes; Aeschines (<i>Castle</i>). French Rapid Reading (<i>Bergeron</i>). Old French Texts (<i>Poyen-Bellisle</i>). Elementary Spanish (<i>Wallace</i>). Schiller (<i>von Klenze</i>). English Romantic Poets (<i>McClintock</i>). English Literature Seminar (<i>Crowe</i>).	Higher Plane Curves (<i>Maschke</i>). Analytics and Calculus (<i>Boyd</i>). Spherical and Prac. Astronomy (<i>Laves</i>). General Physics. Advanced (<i>Stratton</i>). Mon., Tue. and Wed. General Physics. Advanced (<i>Wadsworth</i>). Thurs., Fri. and Sat. Principles and Working Methods of Geology (<i>Chamberlin</i>). Comparative Anatomy of the Vertebrates (<i>Wheeler</i>). Anat. and Physiology of Call (<i>Watase</i>). Physiology of the Sense Organs and the Peripherical and Central Nervous System (<i>Loeb</i>).	History: Medieval Period, B (<i>Conger</i>). Homer (<i>Owen</i>). Horace; Roman Lit. (<i>Miller</i>). Elementary French (<i>Houland</i>). Elementary Spanish (<i>Wallace</i>). English Literature, Sect. A. (<i>Tolman</i>). Rhetoric, Section a. (<i>Herrick</i>). Analytics and Calculus (<i>Boyd</i>). Required Mathem. 1c (<i>Hancock</i>). Elocution 1 (<i>Clark</i>). Mon. and Sat.

11:30	Gallican Church } Mon-French Reformation } <i>crief.</i> Founding of the Christian Church (<i>Votaw</i>). Advanced Elocution(<i>Clark</i>). Tues., Wednes., Fri. Sermonizing and Preaching (<i>Wold</i>)	Comparative Psychology (<i>Mead</i>). Money and Practical Economics (<i>Laughlin</i>). Institutes of Roman Law (<i>Freund</i>). Civil Government in the United States (<i>Wilcox</i>). General Anthropology (<i>Starr</i>). Chronicles (<i>Grandall</i>). Outline of Hebrew History (<i>Kent</i>). Religious Egypt Texts (<i>Breasted</i>). Sanskrit (<i>Buck</i>). Teacher's Training Course (<i>W. G. Hale</i>). Italian Grammar (<i>Howland</i>). Old Provençal Texts (<i>Poyen-Bellale</i>) English Essays (<i>Baile</i>). Advanced English Composition (<i>Herrick</i>). Nineteenth Century Lit. Mov. (<i>Triggs</i>). Text of Hamlet (<i>Brainard</i>).	CHAPEL EXERCISE.	CHAPEL EXERCISE.	Intro. to Theory of Quatern. (<i>Bolza</i>). Advanc. Integral Calculus (<i>Mitschke</i>). Elements of Theory of Gravitation (<i>See</i>). Partial Differential Equations (<i>Laves</i>). Spectrum Analysis (<i>Michelson</i>). Special Graduate Course (<i>Michelson</i>). Thursday and Friday: Thurs-Sat. Organic Chemistry (<i>Kef</i>). Thurs-Sat. General Inorganic Chemistry (<i>Smith</i>). 1st Term. Monday-Friday. 2d Term. Monday-Wednesday. Geographic Geology (<i>Saizsbury</i>). Advanced Physiology (<i>Loeb</i>). Advanced Elocution (<i>Clark</i>).	History: Medieval Period, A. (<i>Thatcher</i>). History: Modern Period (<i>Conger and Catterall</i>). Elementary French (<i>Bergeson</i>). Rhetoric, Section b (<i>Lewis</i>). Outline of Hebrew History (<i>Kent</i>). Founding of the Christ. Church (<i>Votaw</i>). Required Mathem. 1 d (<i>Hancock</i>). Gen. Inorg. Chemistry (<i>Smith</i>). Vertebr. Zool. and Paleont. (<i>Baur</i>). Advanced Elocution (<i>Clark</i>). Tue., Wed., Frid.
P. M. 12:30 to 1:00	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	
2:00	Church History Prior to Constantine (<i>Johnson</i>). Theological Prenotions (<i>Lagergren</i>). 1st Term. General Introduction (<i>Lagergren</i>). 2d Term.	Seminar: English Philosophy } (<i>Tufts</i>) Philosophical German Tariff History of United States (<i>Hill</i>). History of Israel (<i>Goodspeed</i>). Seminar: Social Dynamics (<i>Small</i>). The Family (<i>Henderson</i>). 1st Term. Social Institutions (<i>Henderson</i>). 2d Term. Anthropology: Labor. Work (<i>Starr</i>). Rabbinical Literature (<i>Hirsch</i>). 1st Term. Mishnah (<i>Hirsch</i>). 2d Term. Beginners' Syriac (<i>R. F. Harper</i>). Goethe and Schiller (<i>Cutting</i>). Old English, Advanced (<i>Blackburn</i>). English Language Seminar (<i>Blackburn</i>). Monday, 2:00-4:00	Research Course (<i>Michelson</i>). Monday-Friday, 2:00-4:00 Petrography (<i>Jadings</i>). Anatomy (<i>Eyclethymmer</i>).	English Literature, Sect. B (<i>Reynolds</i>). Rhetoric, Section c (<i>Lewis</i>). Chemistry 1 and 3 } (<i>Smith</i>), Laboratory Work } Intro. Physiology (<i>Lingle</i>).	English Literature, Sect. B (<i>Reynolds</i>). Rhetoric, Section c (<i>Lewis</i>). Chemistry 1 and 3 } (<i>Smith</i>), Laboratory Work } Intro. Physiology (<i>Lingle</i>).	
3:00	Seminar in Christology (<i>Northrup</i>). Tues. and Thurs. Homiletics (<i>Anderson</i>). Homiletics (<i>Johnson</i>). Doctrine of Redemption (<i>Lagergren</i>). 1st Term. Church Polity (<i>Lagergren</i>). 2d Term.	Economic Seminar (<i>Laughlin</i>). Finance (<i>A. C. Miller</i>). History of Europe in the 19th Century (<i>von Holdt</i>). Seminar: History (<i>von Holdt</i>). Monday, 3:00-5:00 Problems of Social Statics (<i>Small</i>). Voluntary Associations (<i>Henderson</i>). Seminar in Sanitary Science (<i>Talbot</i>). Physical Anthropology (<i>Starr</i>). Applied Anthropology (<i>West</i>). Early Hist. Religions (<i>Goodspeed</i>). Introduction to Prophetic Books (<i>Price</i>). Bilingual Babylonian Seminar (<i>Price</i>). Thursday, 3:00-5:00. Assyrian Language (<i>R. F. Harper</i>). Eschylus and Sophocles (<i>Shorey</i>). Monday and Thursday, 3:00-5:00. Seminar: Greek Drama (<i>Shorey</i>). Wed. 3:00-5:00. Seminar 3 (<i>W. G. Hale</i>). Tues. 3:00-5:00. Seminar: Tacitus (<i>Chandler</i>). Wed. 3:00-5:00. Italian, Classic Prose (<i>Howland</i>). Germanic Seminar. Mon. 3:00-5:00. Intro. to Phon. (<i>Schmidt-Wartenberg</i>). 1st Term Middle Low Franc. (<i>Schmidt-Wartenberg</i>). 2d T. Old English, Elementary (<i>Blackburn</i>).	Astronomical Seminar (<i>See and Laves</i>). Alternate Saturdays. Embryology (<i>Waiman</i>). Seminar in Phylogeny (<i>Baur</i>). Research in the Osteology of Living and Extinct Vertebrates (<i>Baur</i>). Daily, 8:30-12:30, 2:00-4:00	Elementary German (<i>Mulfinger</i>). Chemistry 1 and 3 } (<i>Smith</i>). Laboratory Work }	Elementary German (<i>Mulfinger</i>). Chemistry 1 and 3 } (<i>Smith</i>). Laboratory Work }	
4:00	Seminar in Christology (<i>Northrup</i>). Thurs. The Minor prophets (<i>Price</i>). Reading Aloud (<i>Clark</i>). Mon., Wednes., Fri.	Seminar in Finance (<i>A. C. Miller</i>). Feudal Period, I (<i>Terry</i>). Ancient History to Persian Empire (<i>Goodspeed</i>). Seminar (<i>Henderson</i>). Tues. 4:00-6:00. Later Historical Inscriptions (<i>R. F. Harper</i>). History German Language (<i>Schmidt-Wartenberg</i>). English Lit. Seminar (<i>McClintock</i>). 4:00-6:00. Minor Prophets (<i>Price</i>).	Astronomical Photography (<i>Hale</i>). Stellar Spectroscopy (<i>Hale</i>). 7:30 P.M.	Chemistry 1 and 3 } (<i>Smith</i>). Laboratory Work }	Chemistry 1 and 3 } (<i>Smith</i>). Laboratory Work }	
5:00		Study of Modern History (<i>Terry</i>). History of Ancient Greece, I (<i>Wirth</i>).				

The Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the QUARTERLY CALENDAR brief abstracts of papers read at the meeting of the Union, the Philological Society, and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1) Date of regular meeting of the Club, and (2) List of officers elected for the current year. It shall also be the Secretary's duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office within ten days after the meeting of the Club.

OFFICERS OF THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

President—John Byrd Whaley, of the Semitic Club.

Vice President—Theo. L. Neff, of the Romance Club.

Secretary and Treasurer—J. A. Smith, of the Mathematical Club.

Meets on the last Friday of the first term of each Quarter, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory*.

THE PHILOLOGICAL SOCIETY.

President—Head Professor W. G. Hale.

Vice President—Associate Professor S. W. Cutting.

Secretary—Professor F. F. Abbott.

Programme Committee—The President, Vice President, and the Secretary, with W. B. Owen and Susan R. Cutler, of the Graduate School.

The Society meets in *Room B 8, Cobb Lecture Hall*, on the third Friday of each Term, 8:00 P.M.

THE DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

President—Head Professor C. O. Whitman.

Vice President—Professor H. H. Donaldson.

Secretary and Treasurer—A. D. Mead, who also represents the Club in the University Union.

Meets fortnightly, Wednesdays at 3:00 P.M. in *Kent Chemical Laboratory*.

THE CLASSICAL CLUB.

President—Head Professor W. G. Hale.

Vice President—Professor Paul Shorey.

Secretary—S. Frances Pellett.

Delegate to the University Union—W. B. Owen.

Executive Committee—The President, Vice-President, and the Secretary, with Arthur T. Walker and Emily James Smith, of the Graduate School.

Meets monthly.

THE CHEMICAL CLUB.

President—Professor J. U. Nef.

Delegate to the University Union—B. C. Hesse.

Meets every Friday at 8:00 P.M. in *Lecture Room, Kent Chemical Laboratory*.

THE ENGLISH CLUB.

President—Associate Professor W. D. McClintock.

Secretary—Frederic Ives Carpenter.

Delegate to the University Union—Florence Wilkinson.

Programme Committee—The President, Secretary, and Delegate.

The meetings are to be held hereafter upon Tuesday evening of the third, seventh, and eleventh weeks of each quarter, in *Cobb Lecture Hall, Room B 10*, at 8:00 P.M.

THE CHURCH HISTORY CLUB.

President—C. D. Case.

Vice-President—W. T. Flower.

Secretary—J. H. Randall.

Delegate to the University Union—A. W. Wishart.

Meets every Tuesday at 7:30 P.M. in the *Faculty Room*.

THE EXEGETICAL CLUB.

President—J. H. Grant.
 Secretary and Treasurer—A. R. E. Wyant.
 Delegate to the University Union—L. D. Osborn.
 Programme Committee—Professors Price,
 Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

THE GEOLOGICAL CLUB.

President—E. Chappell Perisho.
 Secretary—H. C. Cowles.
 Delegate to the University Union—E. C.
 Quereau.

Meets fortnightly, Tuesdays at 4:00 P.M., in *Walker Museum*.

THE GERMANIC CLUB.

President—Associate Professor S. W. Cutting.
 Secretary—F. A. Wood.
 Delegate to the University Union—F. A. Wood.

Meets weekly on Mondays at 3:00 P.M. in B 11.

THE LATIN CLUB.

President—Assistant Professor F. J. Miller.
 Secretary—Harry W. Stone.
 Delegate to the University Union—Henry G.
 Gale.

Meets monthly, 8:00 P.M., at 5410 Madison av.

THE MATHEMATICAL CLUB AND SEMINAR.

Conducted by the Instructors of the Mathematical Faculty. Meets fortnightly, Fridays at 3:00 P.M., in *Ryerson Physical Laboratory, 36*.

Delegate to the University Union—J. Archy Smith.

THE NEW TESTAMENT JOURNAL AND ESSAY CLUB.

President—Dr. W. M. Arnolt.
 Vice President—Head Professor E. D. Burton.
 Secretary—C. E. Woodruff.
 Delegate to the University Union—A. T. Watson.

Meets fortnightly on Wednesdays at 8:00 P.M.

THE PALÆONTOLOGICAL CLUB.

President—Assistant Professor G. Baur.
 Secretary—Wm. E. Taylor.

Delegate to the University Union—Dr. J. C. Merriam.

Meets fortnightly on Mondays at 3:00 P.M., in *Walker Museum, 3d floor*.

THE PHYSICS CLUB.

This Club has not yet organized; but will do so, as soon as the Department has moved into its new quarters.

THE POLITICAL ECONOMY CLUB.

Honorary President—Head Professor J. L. Laughlin.

President—William Hill.

Secretary and Treasurer—J. Cummings.

Delegate to the University Union—Dr. Thorstein B. Veblen.

Executive Committee—The President, Secretary, Sarah M. Hardy, John Cummings, and Robert F. Hoxie.

Meets Thursdays at 7:30 P.M. in the *Faculty Room*.

THE POLITICAL SCIENCE AND HISTORY CLUB.

President—William Craig Wilcox.

Secretary and Treasurer—Regina R. Crandall.

Delegate to the University Union—

Executive Committee—The President and Secretary together with J. W. Fertig, J. W. Thompson, and Miss Scofield.

Meets fortnightly on Wednesdays at 8:00 P.M., in the *Faculty Room*.

THE ROMANCE CLUB.

President—Head Professor W. I. Knapp.

Secretary—Susan R. Cutler.

Delegate to the University Union—Theo. L. Neff.

THE SEMITIC CLUB.

President—Associate Professor Ira M. Price.

Secretary—Edgar J. Goodspeed.

Delegate to University Union—John Byrd Whaley.

Meets fortnightly on Thursdays at 7:30 P.M., in the *Room of the Semitic Seminar*.

THE SOCIOLOGY CLUB.

President—Dr. W. I. Thomas.

Vice President—Laura Willard.

Secretary and Treasurer—Daniel Fulcomer.

Delegate to the University Union—I. W. Howerth.

Meets fortnightly on Mondays at 7:30 p.m. in the Faculty Room.

THE LITERARY SOCIETY OF THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

President—H. P. Andersen.

Vice President—C. P. Grarup.

Secretary—L. Rasmussen.

Critic—T. O. Wold.

Programme Committee—A. L. Brandsmark
P. P. Overgaard, and N. R. Larsen.

Meets fortnightly on Mondays at 8:00 p.m., in D 9.

COMPARATIVE RELIGION CLUB.

President—Edmund Buckley.

Secretary—E. C. Sanderson.

Meets monthly throughout the year.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.**OFFICERS OF THE CHRISTIAN UNION.**

President—Associate Professor C. R. Henderson.

Vice President—Edgar J. Goodspeed.

Secretary and Treasurer—F. W. Woods.

The Executive Committee consists of Miss Laura Jones, W. E. Chalmers, F. W. Woods, Miss Agnes Cook, together with the Presidents of the Young Men's Christian Association, the Young Women's Christian Association, the Missionary Society and the Volunteer Band.

The Executive Committee holds regular meetings each month.

Meets every Thursday at 1:30 p.m., in *Lecture Room, Cobb Lecture Hall.*

Union Meetings of the two Associations are held on Sundays, at 6:45 p. m.

OFFICERS OF THE RELATED SOCIETIES.**THE YOUNG MEN'S CHRISTIAN ASSOCIATION.**

President—A. T. Watson.

Meets every Friday, at 6:45 p. m., in *Lecture Room, Cobb Lecture Hall.*

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

President—Miss A. Hamilton.

THE MISSIONARY SOCIETY

Of the Divinity School of the University of Chicago.

President—H. A. Fisk.

Vice President—Y. A. Herrick.

Treasurer—F. Y. Aitchison.

Secretary—W. E. Chalmers.

Meets fortnightly on Thursday evening, in *Chapel Cobb Lecture Hall.*

THE VOLUNTEER BAND

Of the University of Chicago.

President—F. G. Cressey.

Secretary—D. M. Eubank.

Meets monthly in D 6.

THE EMPLOYMENT BUREAU.

The examination for Certificates as City Night School Teachers will occur on Thursday evening, September 13, in Chicago.

Registrations should be made at once. Full particulars may be had upon application to the University Steward.

It is absolutely essential that this examination be passed by all candidates for positions, unless a Chicago certificate has already been obtained.

Those who taught evening school last year must make written application to the Board of Education for re-appointment. Blanks for this purpose may be obtained from the University Steward.

The next Examination for High School Certificates will be held December 24.

THE STUDENTS' FUND SOCIETY.

This Society makes loans upon the joint recommendation of its own Committee and a Committee of the Faculty. Students are not eligible for loans until they have been members of the University one Quarter, and have shown marked success in scholarship. Applications are considered by the Committee of the Faculty at the beginning of each Quarter, but in order that the necessary preliminary information may be secured all applications for loans to be granted in any Quarter must be handed in to *Head Professor J. L. Laughlin*, Chairman, by the end of the eleventh week of the preceding Quarter. Application blanks may be secured at the office of the Registrar.

The Officers of the Society are :

President—A. A. Sprague.

Vice President—Norman Williams.

Secretary—Charles H. Hamill.

Treasurer—Byron L. Smith.

The Officers of the Executive Committee are :

President—Mrs. H. M. Wilmarth.

Vice President—Mrs. George E. Adams.

Secretary—Mrs. Noble B. Judah.

The Board of Directors consists of seven gentlemen and twelve ladies.

The Committee of the Faculty is composed of :

Head Professor J. Laurence Laughlin, Chairman ;
Dean Judson, Dean Talbot, Associate Professor
Stratton, and Assistant Professor F. J. Miller.

The University Extension Division.

NATHANIEL BUTLER, Director.

OCTOBER 1, 1894.

NOTE.—The University Extension Division offers instruction according to three different methods: (1) by Lecture-studies with the usual features of syllabus, review, weekly exercise, and examination; (2) by Class-instruction in classes organized outside of the University, but within the limits of the City of Chicago, and meeting on Evenings and Saturdays; (3) by Correspondence.

The following is a list of the courses of instruction at present offered in the University Extension Division by each of these methods. This list will necessarily be modified as the demand for new courses arises.

For a complete account of the aims and methods of University Extension work consult the Circular of Information issued by the University Extension Division.

The numbers of the Departments correspond with those in the University (proper).

THE LECTURE-STUDY DEPARTMENT.

CHARLES ZEUBLIN, Secretary.

I. PHILOSOPHY.

ASSOCIATE PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

Political Foundation of Modern Civilization.

Baron and King—the Evolution of a Typical European Monarchy.

PROFESSOR GORDY.

The History of Political Parties in the United States.

Representative American Statesmen.

ASSOCIATE PROFESSOR THATCHER.

The History of the Middle Ages.

Mohammed, Mohammedanism, and the Crusades.

Europa im frühen Mittelalter.

ASSISTANT PROFESSOR GROSE.

The Political Development of the European Nations since 1792.

The Founding of the German Empire of To-Day.

Studies in the History of Europe from the French Revolution to the Present Time.

Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

American Statesmen and great Historic Movements.

DR. WIRTH.

Neueste Geschichte von Afrika.

Gegenwärtige Zustände im Orient.

Herodot—der erste Geschichtsschreiber des Altertums.

II. POLITICAL ECONOMY.

MR. BROOKS.

The Modern Church and the Labor Question.

Recent Developments of Social and Industrial Democracy.

Socialism.

Social Experiments.

III. POLITICAL SCIENCE.

HEAD PROFESSOR JUDSON.

American Politics.

I The Period of Dominant Foreign Influence.

II The Period of Dominant Internal Development.

MR. CONGER.

Historical Geography.

The Geography of Europe.

The Great Commercial Cities of Antiquity.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.

The Ethnic Foundation of Modern Civilization.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.

The Making of the Nation.

MR. WEBSTER.

How we are Governed.

The Making of a Federal Republic.

Six American Statesmen.

The American Revolution.

MR. WISHART.

Monks and Monasteries.

VI. SOCIOLOGY AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

Die Grundzüge der Sociologie.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.

Questions of Monopoly and Taxation.

Some Social and Industrial Forces in American History.

ASSOCIATE PROFESSOR HENDERSON.

Charities and Corrections.

The Family—a Sociological Study.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.

The Native Races of North America.

Early Man in Europe.

Evolution.

MR. ZEUBLIN.

A Century of Social Reform.

English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Some Leaders in Sociology.

Utopias.

MR. RAYMOND.

Social Aspects of the Labor Movement.

VII. COMPARATIVE RELIGION.

MR. BUCKLEY.

Shinto, the Ethnic Faith of Japan.

The Science of Religion.

VIII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

XI AND XII. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.

Homer, the Iliad.

Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

ASSISTANT PROFESSOR MILLER.

Virgil.

XIII. ROMANCE LITERATURE AND PHILOLOGY.

ASSISTANT PROFESSOR BERGERON.

French Literature.

Littérature Française.

XV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.

The Tragedies of Shakespeare.

Ancient Tragedy for English Audiences.

Stories as a Mode of Thinking.

Spenser's Legend of Temperance.

Literary Criticism and Theory of Interpretation.

Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.

Some Studies in American Literature.

ASSOCIATE PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.

English Romantic Poets from 1780 to 1830.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth: A Course
Preparatory to the Study of Shakespeare.

George Meredith.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

MR. CLARK.

Poetry as a Fine Art.

MR. HERRICK.

The Creation of the English Novel.

The Decay of Romanticism in English Poetry.

Studies in Style.

MR. HOOPER.

American Prose Writers.

American Poets.

MR. OGDEN.

History and Structure of English Speech.

Old English Life and Literature.

Modern English Poetry.

MISS CHAPIN.

General Survey of American Literature.

Masterpieces of English Poetry.

MR. JONES.

Prophets of Modern Literature.

Masterpieces of George Eliot.

Social Studies in Henrik Ibsen.

XVI. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR HARPER.

Old Testament Thought Concerning Suffering,
Scepticism, and Love.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR HIRSCH.

Religion in the Talmud.

The Jewish Sects.

Biblical Literature.

History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old
Testament.

The Forgotten Empires and the Old Testament.

ASSOCIATE PROFESSOR THATCHER.

The Apostolic Church.

The Life and Work of Paul.

DR. KENT.

Hebrew Poetry.

Hebrew Prophecy studied in the Light of the
Prophets of the Assyrian Period.

Messianic Prophecy.

The Messianic Predictions of the Hebrew Prophets

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but
excluded from, Our Bible.

XVIII. ASTRONOMY.

DR. SEE.

General Astronomy.

XIX. PHYSICS.

ASSISTANT PROFESSOR STRATTON.

Sound.

ASSISTANT PROFESSOR CORNISH.

Hydrostatics and Pneumatics.

MR. BELDING.

Elements of Electricity and Magnetism.

XX. CHEMISTRY.

MR. MORSE.

General Chemistry.

Chemistry of Every-day Life.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Landscape Geology.

The Evolution of the North American Continent

XXII. BIOLOGY.

MR. BOYER.

Biology.

MICROSCOPY.

MR. MORSE.

The Microscope and its Uses.

DR. WILLIAMS.
MUSIC.
Music.

MR. FRENCH.
ART.
Painting and Sculpture.

MR. TAFT.
Ancient Sculpture.
Contemporary French Art.
German Art of the Nineteenth Century.
Art at the Columbian Exposition.

MR. SCHREIBER.
History of Art.

SCANDINAVIAN LITERATURE
MR. DAHL
Scandinavian Literature.

RUSSIAN LITERATURE.
DR. HOURWICH.
Studies in Russian Literature.

JAPANESE INSTITUTIONS.
MR. CLEMENT.
Japan and the Japanese.
Japanese History and Civilization.

THE CLASS - WORK DEPARTMENT.

JEROME H. RAYMOND, *Secretary.*

The following is a partial list of courses which will be given in the evening or on Saturday, at the University or in other parts of the city, wherever eight or more students desire instruction in the same subject. These classes will usually meet once a week for twelve weeks, each session continuing two hours.

I. PHILOSOPHY.

HEAD PROFESSOR DEWEY.
Pedagogics. M.

II. POLITICAL ECONOMY.

PROFESSOR MILLER.
Principles of Political Economy. M.

III. POLITICAL SCIENCE.

MR. WILCOX.
Civil Government in the United States. M.
MR. CONGER.
The Geography of Europe. M.

IV. HISTORY.

DR. WIRTH.
Grecian History. M.
Roman History. M.
MR. BALDWIN.
Nineteenth Century History. M.
MR. WILCOX.
Modern European History. M.

MR. ROSSETER.
American History. M.
MR. RULLKOETTER.
Mediaeval History. M.
English History. M.

VI. SOCIOLOGY AND ANTHROPOLOGY.

ASSOCIATE PROFESSOR BEMIS.
Some Recent Efforts for Social Progress. M.
ASSOCIATE PROFESSOR HENDERSON.
Voluntary Associations for Social Amelioration. M.
DR. MAX WEST.
General Sociology. M.
MR. FULCOMER.
Introduction to Sociology. M.

XI. THE GREEK LANGUAGE AND LITERATURE.

MR. OWEN.
Homer's Iliad. M.

XII. THE LATIN LANGUAGE AND LITERATURE.
ASSISTANT PROFESSOR MILLER.
Latin Course for Teachers. M.

MR. ORR.

Cæsar for Beginners. M.

Virgil. M.

Cicero. M.

XIV. GERMANIC LANGUAGES AND LITERATURES.

DR. VON KLENZE.

Goethe's Lyrical Poetry as an Exponent of His Life. M.

MR. MULFINGER.

Elementary German. M.

Modern Prose. M.

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

MR. LOVETT.

Rhetoric. DM.

Shakespeare. M.

MR. HERRICK.

Advanced English Composition. MM.

DR. LEWIS.

Nineteenth Century Literature. M.

XVII. MATHEMATICS.

MR. HUTCHINSON.

Elementary Algebra. M.

Plane Geometry. M.

MR. MANN.

Plane Geometry.

Solid Geometry.

Plane Trigonometry.

Coördinate Geometry.

XVIII. ASTRONOMY.

DR. LIVES.

General Astronomy. M.

XX. CHEMISTRY.

MR. MORSE.

Elementary Chemistry. M.

MISS HUNT.

General Chemistry. M.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Geographic Geology. M.

MR. KUMMEL.

Geographic Geology. M.

XXII. ZOÖLOGY.

MR. GARREY.

Elementary Course in the Morphology of Vertebrates. M.

CORRESPONDENCE TEACHING DEPARTMENT.

OLIVER J. THATCHER, *Secretary*.

NOTE.—Instruction by correspondence may be either formal or informal. In formal correspondence, the work is carried on in much the same way as in the class room, by means of a definite number of lesson and recitation papers. In informal correspondence, no formal lesson papers are given. The work to be done is carefully planned by the instructor, the necessary directions are given, and ordinarily a thesis or paper is required of the student, who is free at all times to ask for help and advice as difficulties arise. This method is employed only with graduate students.

I. PHILOSOPHY.

Psychology. MM.

Logic. M.

Associate Professor Tufts offers instruction by informal correspondence in the History of Philosophy.

II. POLITICAL ECONOMY.

Principles of Political Economy. MM.

III. POLITICAL SCIENCE.

Head Professor Judson offers instruction by informal correspondence in Political Science.

IV. HISTORY.

Roman History to the Death of Augustus. M.

Greek History to the Death of Alexander. M.

History of the United States. M.

The History of England till the Accession of the Tudors. MM.

The History of Europe from the Invasion of the Barbarians till the Death of Charlemagne. M.

The History of Europe from 800 to 1500 A.D. MM.

The Period of Discovery and Exploration in America. M.

The Colonial Period and the War of the Revolution. MM.

The Political History of the Confederation, from the union of the Colonies against Great Britain to the formation of a National Government. M.

The Political History of the United States, from the formation of the National Government to the period of dominant foreign politics (1789-1815). M.

The Political and Constitutional History of the United States, from the formation of the Confederation to the War of Secession, continued. M.

Dr. Shepardson offers instruction by informal correspondence in the History of the United States.

VI. SOCIOLOGY AND ANTHROPOLOGY.

The Methodology of Social Science. Open only to those who read both French and German fluently. MM.

Introduction to the study of the Dependent, Defective, and Delinquent Classes, and their Social Treatment. Two consecutive Majors.

The Family. M.

Non-economical and non-political Social Groups. M.

Anthropology. Elementary Course. MM.

VIII. SEMITIC LANGUAGES AND LITERATURES.

Beginning Hebrew. M.

Intermediate Hebrew. M.

Exodus and Hebrew Grammar. M.

Haggai, Zechariah, and Malachi, with Hebrew Syntax. M.

Arabic for beginners. MM.

Assyrian for beginners. M.

Head Professor Harper offers instruction by informal correspondence in Hebrew.

IX. BIBLICAL AND PATRISTIC GREEK.

Beginning New Testament Greek. M.

Intermediate New Testament Greek. M.

The Acts of the Apostles. M.

Head Professor Burton offers instruction by informal correspondence in the Greek New Testament.

X. SANSKRIT AND INDO-EUROPEAN PHILOLOGY.

Sanskrit for Beginners. MM.

XI. GREEK LANGUAGE AND LITERATURE.

Greek Primer for Beginners. Two consecutive Majors.

Xenophon's Anabasis, Books II-III. MM.

Xenophon's Anabasis, Books IV-V. MM.

Homer's Iliad, I Book. MM.

Homer's Iliad, Books II-IV. MM.

Xenophon's Memorabilia. MM.

Lysias, Selected Orations, History of Greek Prose Literature. MM.

Professor Shorey offers instruction by informal correspondence in Greek.

XII. THE LATIN LANGUAGE AND LITERATURE.

Latin Primer for Beginners. Two consecutive Majors.

Cæsar, Book II. MM.

Cæsar, Books III-IV. MM.

Cæsar, Book I, advanced. M.

Cicero. MM.

Cicero. MM.

Virgil, Book I. MM.

Virgil, Books II-III. MM.

Virgil, Books IV-VI. MM.

Cicero, De Senectute. Writing of Latin. MM.

Livy, Selections. Writing of Latin. MM.

Odes of Horace. Books I-II. MM.

XIII. ROMANCE LANGUAGE AND PHILOLOGY.

French for Beginners. MM.

A thorough course in Spanish Grammar with extensive readings. Two consecutive Majors.

XIV. GERMANIC LANGUAGES AND LITERATURES.

German for Beginners. MM.

German, advanced. MM.

Associate Professor Cutting offers instruction by informal correspondence in German Literature.

The Life of Christ in connection with the Gospel of Luke. M.

The Gospel of John. M.

The Founding of the Apostolic Church. First Half. M.

XV. THE ENGLISH LANGUAGE, LITERATURE, AND RHETORIC.

Rhetoric and Composition. MM.

Outline History of English Literature and the Study of Masterpieces. MM.

Studies in Tennyson. M.

Studies in Browning. M.

Studies in Matthew Arnold and Rosetti. M.

Studies in Shakespeare. MM.

English Romantic Poetry from 1750-1830. Studies in Cowper, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, etc. MM.

XVI. BIBLICAL LITERATURE IN ENGLISH.

Samuel, Saul, David, and Solomon. M.

XVII. MATHEMATICS.

Algebra in three successive Majors.

Plane Geometry in three successive Majors.

Solid Geometry. M.

College Algebra. MM.

Theory of Equations. M.

Plane Trigonometry. MM.

Special Trigonometry. M.

Analytic Geometry. MM.

Calculus. Two Consecutive Majors.

Analytic Geometry, advanced course. MM.

Analytic Mechanics. MM.

Differential Equations. Two Consecutive Majors.

Professor Moore offers instruction by informal correspondence in higher Mathematics.

ORDER OF EXAMINATIONS FOR ADMISSION.

FOR THE AUTUMN QUARTER, 1894.

WEDNESDAY, SEPTEMBER 19.

Latin 3)	-	-	-	-	-	9:00—10:00	German 1)	-	-	-	-	-	-	2:00—3:00
Latin 1)	-	-	-	-	-	10:00—11:00	German 2)	-	-	-	-	-	-	3:00—4:00
History of the United States	-	-	-	-	-	11:00—11:30	Greek 4)	-	-	-	-	-	-	3:00—4:00
History of Greece	-	-	-	-	-	11:30—12:15	Algebra	-	-	-	-	-	-	4:00—5:00
Latin 2)	-	-	-	-	-	12:15—12:45								

THURSDAY, SEPTEMBER 20.

German 3)	-	-	-	-	-	9:00—10:00	English	-	-	-	-	-	-	2:00—3:30
Greek 3)	-	-	-	-	-	9:00—10:00	Solid Geometry	-	-	-	-	-	-	3:30—4:15
French 2)	-	-	-	-	-	9:00—10:15	History of Rome	-	-	-	-	-	-	4:15—5:00
French 1)	-	-	-	-	-	10:15—11:00								
Greek 1)	-	-	-	-	-	11:00—12:15								

FRIDAY, SEPTEMBER 21.

Plane Geometry	-	-	-	-	-	9:00—10:00	Latin 4)	-	-	-	-	-	-	1:30—2:45
Physics	-	-	-	-	-	10:00—11:30	Geology, Astronomy, Physiography	-	-	-	-	-	-	1:30—2:30
History 2 a)	-	-	-	-	-	11:30—12:30	Biology	-	-	-	-	-	-	2:30—3:30
							Latin 5)	-	-	-	-	-	-	2:45—3:30
							Greek 2)	-	-	-	-	-	-	3:30—4:00
							Chemistry	-	-	-	-	-	-	3:30—5:00

EXAMINATIONS FOR ADMISSION.

FOR THE WINTER QUARTER, 1895, DECEMBER 19, 20, and 21, 1894.

FOR THE SPRING QUARTER, 1895, MARCH 20, 21, and 22, 1895.

FOR THE SUMMER QUARTER, 1895, JUNE 19, 20, and 21, 1895.

CALENDAR FOR 1894-95.

July 1.	Sunday	FIRST TERM of Summer Quarter begins. THE CONVOCATION SERMON.	Dec. 23-31.		QUARTERLY RECESS.
			1895.		
July 2.	Monday	MATRICULATION of incoming students. SUMMER MEETING of the <i>University Convocation</i> . Exercises in connection with the opening of <i>Ryerson Physical Laboratory</i> .	Jan. 1.	Tuesday	FIRST TERM of Winter Quarter begins. Matriculation of incoming students. WINTER MEETING of the <i>University Convocation</i> .
July 4.	Wednesday	INDEPENDENCE DAY; a holiday.	Jan. 6.	Sunday	THE CONVOCATION SERMON.
Aug. 10.	Friday	SUMMER MEETING of the <i>University Union</i> .	Feb. 8.	Friday	WINTER MEETING of the <i>University Union</i> .
Aug. 11.	Saturday	FIRST TERM of Summer Quarter ends.	Feb. 11.	Monday	FIRST TERM of Winter Quarter ends.
Aug. 12.	Sunday	SECOND TERM of Summer Quarter begins.	Feb. 12.	Tuesday	LINCOLN'S BIRTHDAY; a holiday. SECOND TERM of Winter Quarter begins.
Sept. 1.	Saturday	LAST DAY for handing in <i>registration cards</i> for Autumn Quarter.	Feb. 22.	Friday	WASHINGTON'S BIRTHDAY; a holiday.
Sept. 19-21.	Wednesday Thursday Friday	AUTUMN EXAMINATIONS for admission to the <i>Academic Colleges</i> .	Mar. 1.	Friday	LAST DAY for handing in <i>registration cards</i> for Spring Quarter.
Sept. 22.	Saturday	SECOND TERM of Summer Quarter ends. LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> to be conferred at the <i>January Convocation</i> .	Mar. 23.	Saturday	LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> to be conferred at the <i>July Convocation</i> .
Sept. 23-30.		QUARTERLY RECESS.	Mar. 24.	Sunday	SECOND TERM of Winter Quarter ends.
Oct. 1.	Monday	FIRST TERM of Autumn Quarter begins. Matriculation of incoming students. AUTUMN MEETING of the <i>University Convocation</i> .	Mar. 25-31.		QUARTERLY RECESS.
Nov. 9.	Friday	AUTUMN MEETING of the <i>University Union</i> .	April 1.	Monday	FIRST TERM of Spring Quarter begins. Matriculation of incoming students. SPRING MEETING of the <i>University Convocation</i> .
Nov. 10.	Saturday	FIRST TERM of Autumn Quarter ends.			LAST DAY for receiving applications for fellowships.
Nov. 11.	Sunday	SECOND TERM of Autumn Quarter begins.	May 1.	Wednesday	ANNUAL ASSIGNMENT of <i>Fellowships</i> .
Nov. 29.	Thursday	THANKSGIVING DAY; a holiday.	May 10.	Friday	SPRING MEETING of the <i>University Union</i> .
Dec. 1.	Saturday	LAST DAY for handing in <i>registration cards</i> for Winter Quarter.	May 11.	Saturday	FIRST TERM of Spring Quarter ends.
Dec. 19-21.	Wednesday Thursday Friday	WINTER EXAMINATIONS for admission to the <i>Academic Colleges</i> .	May 13.	Sunday	SECOND TERM of Spring Quarter begins.
Dec. 22.	Saturday	SECOND TERM of Autumn Quarter ends. LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> to be conferred at the <i>April Convocation</i> .	May 30.	Thursday	MEMORIAL DAY; a holiday.
			June 22.	Saturday	SECOND TERM of Spring Quarter ends.
			June 23-30		QUARTERLY RECESS.
			July 1.	Monday	FIRST TERM of Summer Quarter begins. Matriculation of incoming students. SUMMER MEETING of the <i>University Convocation</i> .

STATED MEETINGS.

TRUSTEES, FACULTIES, AND BOARDS.

The *Board of Trustees* holds stated meetings on the last Tuesday of each month.

The monthly meetings of *Faculties and Administrative Boards* are held on Saturdays, from 8:30 A.M. to 1:00 P.M. as follows:

First Saturday.

- 8:30- 9:30—Administrative Board of Physical Culture and Athletics.
9:30-11:00—Administrative Board of the Academic Colleges.
11:00- 1:00—The University Senate.

Second Saturday.

- 8:30- 9:30—Administrative Board of Affiliations.
9:30-11:00—The University Council.
11:00- 1:00—Faculty of Morgan Park Academy.

Third Saturday.

- 8:30- 9:30—Administrative Board of the University Press.
9:30-11:00—Joint meeting of the Administrative Boards of the Graduate School of Arts and Literature, and the Ogden (Graduate) School of Science.
11:00- 1:00—The Faculty of Arts, Literature, and Science.

Fourth Saturday.

- 8:30- 9:30—Administrative Board of the University Colleges.
9:30-11:00—Administrative Board of Libraries, Laboratories, and Museums.
11:30- 1:00—The Divinity Faculty.
The University Extension Faculty meets on the first Monday, at 5:00 P.M.

OFFICIAL PUBLICATIONS OF THE UNIVERSITY OF CHICAGO.

The *Annual Register* is issued about May 1 of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

The *Quarterly Calendar* is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the Registration of Students during the quarter, and lists of courses of instruction to be offered during succeeding quarters.

The *Circular of Information concerning the Departments of Arts, Literature, and Science* contains full information as to admission to the Schools and Colleges of these departments and lists of the courses given.

The *Circular of Information of the Divinity School* contains all information concerning the Divinity School courses, admission, etc.

The *Circular of Information of the University Extension Division* contains lists of lecturers, and courses offered, statement of correspondence work, class work, etc.

Departmental Programmes are issued by all departments of instruction, and give fuller details of the work of the departments than can be given in the Register or the Calendars.

Aug 11
The University of Chicago *Edw. Ross 1897.9.11*

FOUNDED BY JOHN D. ROCKEFELLER

Edw. U. 3860.453.3

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The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues, and can be reached by the Cottage Grove Avenue cable cars (from Wabash Avenue), by the Illinois Central Railroad, to South Park station, or by the Sixty-first Street electric cars from Englewood station.

There is a Baggage Express office and a Western Union telegraph office at the University.

The telephone number of the University is Oakland-300.

It will be sufficient to address any correspondence relating to the work of the University to

**THE UNIVERSITY OF CHICAGO,
Chicago, Illinois.**

PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE EIGHTH UNIVERSITY CONVOCATION,
OCTOBER 1, 1894.

*THE DIVINE REVELATION REGARDING ISRAEL.**

Romans i. 26

CONVOCATION SERMON PREACHED BEFORE THE DIVINITY ALUMNI AND THE BAPTIST THEOLOGICAL UNION, BY

THE REVEREND W. W. EVERTS,

HAVERHILL, MASSACHUSETTS.

THE GREATNESS OF RELIGION.†

ADDRESS BY

THE REVEREND JOHN HENRY BARROWS, D. D.

PROFESSORIAL LECTURER ON COMPARATIVE RELIGION,
THE UNIVERSITY OF CHICAGO.

LADIES AND GENTLEMEN :

The address on the Greatness of Religion which I offer today is introductory to the first course of lectures which I hope to deliver next April, on the Relations of Christianity to the other Historic Faiths. It is an agreeable duty for me, at this time, to thank the President and his associates for the kindness with which I have been welcomed to the University. It is also a delightful privilege to honor immediately the name of the modest, generous, and wise-hearted Christian woman who has endowed this lectureship, and who is to build the Oriental Museum for the departments of Comparative Religion and of Semitic and kindred studies,—Mrs. Caroline F. Haskell. It is expected that the Haskell Lectures will be published, and, after the voice of the first lecturer has ceased, it may be more than probable that the volumes which bear her name will rank with the Bampton, Gifford, Hibbert, and Bohlen Lectures in the history of religious science and Christian apology. Already her gifts are mentioned with gratitude in England, Holland, and France, in Japan and India. Mr. Mozumdar, referring to her “magnificent endowment” of this

lectureship, writes, “How I wish something of the sort could be done in India, but there is no one to lay the foundation.” May not some friend of the University be moved to establish in Calcutta, the chief centre of college training in the Asiatic world, a lectureship which shall carry on the good work of enlightenment and fraternity begun by the recent Parliament of Religions? This would be University Extension in the widest sense.

Our university has already entered the main religious movement of our times by quickening a fruitful interest in the study of the Scriptures. It has welcomed the light which comparative religion and philology are throwing over the origin and development of the Old Testament literature. The history of Israel is not to be understood apart from Egypt, the tribes of Canaan, and the empires of the Tigris and Euphrates. The wide and augmenting zeal for one of the highest intellectual pursuits is a hopeful sign of the day. We cannot say of our generation, as Dean Stanley complained of his, that “it is plunged either in dogmatism or agnosticism.” The spirit of a large

*The First Baptist Church, September 30, 1894, at 11:00 a. m.

†Delivered in the University Quadrangle, October 1, 1894. 3

and eager faith is in the air we breathe, and the words which the Emperor Charles the Fifth inscribed upon his helmet, *plus ultra*, all learning, sacred learning not excepted, bears upon its brow today.

This lectureship is the first academic fruitage of the recent Congress of the World's Faiths. Dr. Ellinwood, the President of the American Society of Comparative Religion, and a secretary of one of our foreign missionary boards, has written that "the Parliament of Religions has come to stay." By this he means that these world-wide comparisons must continue. Indeed the various faiths are on trial before tribunals, human and divine. As Dr. Edward Brailsin, of Brooklyn, has said, "We have been weighing the heathen in theological scales, while God has been weighing us in ethical." The progress of mankind is bringing the nations toward unity, and whatever withstands the forces which, working through ages, culminated in the Conference of the World's Religions, is fighting the intellectual and spiritual movements which make the Gulf Stream of history. Many have felt that a temporary forensic victory for some type of Christianity is comparatively insignificant, matched with a sublime setting forth of the unities of mankind. In his "Social Evolution" Mr. Benjamin Kidd argues that altruistic feeling rather than intellect is the main force in human progress. Such a feeling is also back of the humaner attitude which Christian men are assuming toward other systems, and whatever develops the spirit of a common fraternity may be as efficient a help to the practice of religion as the publication of the Sacred Books of the East has been to the study of it.

I speak to those who believe that hierology or sacred science should keep abreast of the times. This university was founded with a Christian purpose, its charter,—freedom to all research, its faith,—that the divine is everywhere and that no truth clashes with other truth. It welcomes whatever facts have been discovered by the pioneer students in Comparative theology, although it may not receive their philosophic theories. We all believe that Christian men ought to be alert in exploring every department of knowledge, that the Spirit of God is back of the material creation, that he is the energy in all the evolutions of the past, that he is present with the human spirit today. We believe that the scientific knowledge which omits the science of religion leaves out the most lustrous domain of human thought. We have gone far beyond the doctrine of absentee Gods and mechanical theories of creation, and reverently accept the divine immanence, working in every biological law, active in the lowest forms of life and in the latest evolutions of society. Religious development has not

proceeded along one line only. Environments have been various and changing, and, in accordance with phylogenetic laws, we behold in religion, as elsewhere, multiform evolutions, fossil, extinct faiths, and degenerate descendants of higher spiritual types,—for development is not always progress. While science is inspiring in us a tenderer feeling toward the animal creation with which we have had so long a history in common, it is also showing that even between types of worship so far apart as fetichism and Christian theism there is, as Dr. Fairbairn has said, the common bond of faith in the supra-sensible.

What study should broaden the bounds of intellectual and moral sympathy like the study of universal religion? Should it not give to the heart an expansion like that which astronomy has given to the brain? We, ourselves, are heirs of all that has been; we feel the touch of hands which became dust when Nineveh was destroyed, and hear the sound of pathetic voices that were stilled before the Argive keels grated on the shores of Ilium. The sceptred spirits of the past rule us from urns older than the Druidic circles of Stonehenge, as ancient as the burial places of the Egyptian dead.

You will not dissent from my conviction that there is a religious side to all the departments of the University, whether of science, philosophy, or literature, and that over each of them Oxford's "*Dominus illuminatio mea*" might well be inscribed. All knowledge is a lonely wanderer until it finds its way into the shining temple of divine truth. Students of Nature, however successful their search, must be restless until they become lovers of God. Comparative religion may be an elective here, but religion itself is the bright and wholesome atmosphere of the university life. By religion I mean a form of belief which furnishes what is deemed a divine sanction for righteousness and love. Like the presence of God, it is everywhere, and is not to be excluded by wilful selfishness from any region of thought and activity. It is an inspiring and regulating force, the spirit of love, reverence, hope, and trust, penetrating every moment and forbidding the old division of life into secular and sacred. The laws of political and social economy are laws of God. Sociology is a department of religion. The new humanity for which many are pleading so vigorously, is Christ translated into modern conduct. The faith which is to save the world not only sends out missionaries to Canton but it builds social settlements in Chicago. The progress of religion, both in its conceptions and activities, is from the individual to the tribe, from the tribe to the nation, from the nation to the world, from things isolated to things universal.

As the whole current of life is a search for the Infinite and Divine, as the temple wherein men today discover their unity is the temple of religion, as the common bond uniting races is a humanity marked by the same aptness to recognize God, the same needs, the same hunger for heavenly things, so the spirit in which our lives are to be lived, whether within the University or outside of it, is the spirit of the broadest and truest human love, reaching out to all the children of our Father in Heaven.

If our national life is not to pass through the stages which lead to social and moral decadence, the forces that will keep it strong and progressive must spring out of religion. National blight invariably follows the collapse of faith. "Fading as a leaf" is the pathetic inscription written on the forehead of national atheism. "What greater calamity," wrote Emerson, "can fall upon a nation than loss of worship? then all things go to decay." This university would never have been built had it not been for the conviction that it would prove a mighty spiritual force in the life of the world, a part of that American Christianity whose task it is to pour a celestial vitality both into cities where civilization is being divorced from morality and into the far-off lands of the decrepit and despairing East; to overcome by light and love the power of a socialism which "attempts to solve the problem of suffering without eliminating the factor of sin"; to infuse the spirit of Christ into the education of the young at a time when mental training is often conducted along false and perilous lines; to show the immeasurable superiority of the forces of the Bible and the Spirit of God over the various forms of mere ritualism, and by making a Christianized manhood to bring forth a Christianized nation.

But the greatness of religion becomes evident, not only from what has been said in regard to its essential importance in human life, but also from a consideration of the magnitude and variety of the phenomena which it brings before our thought. Like every other division of knowledge it is becoming more and more specialized, and the subdivisions are so numerous that the ablest mind can accurately and successfully explore only a few regions. His must be a supreme intelligence that is able to survey comprehensively all the realms, either of physics or geology, literature or history, philosophy or religion. But heretofore the opportunities have been meagre in America for the study of the greatest of themes. Our theological seminaries must be spoken of with gratitude. They have helped to make great preachers and great missionaries; they have equipped the defenders and expounders of Christianity. Their contributions to

biblical scholarship, to apologetics and to Christian philosophy have been magnificent. It is with reverence that we mention the names of Hackett and Edward Robinson, Henry B. Smith and Edwards A. Park, of Philip Schaff, E. G. Robinson, and George P. Fisher. But, until recently, theological training in America and elsewhere has lacked scientific principles. The knowledge furnished of the Christian system has been fragmentary, and has not been treated by the comparative method. We have had scantiest acquaintance with the literature and thought and aspirations of three-fourths of the inhabitants of the globe. As Macaulay, after his return from India, used to assert his English patriotism by claiming that "all the fruits of the tropics were not worth one pottle of Covent Garden strawberries," so we have been excessively provincial in our religious knowledge, and have called our provincialism piety. We have looked down with haughty and ignorant contempt on faiths older than Christian history, on philosophies which are among the stupendous exploits of the human intelligence, on systems which have furnished the most of our race what consolation they had in life and what hope in death, and we have sometimes defended our narrowness and ignorance with texts of Scripture. But a better day has dawned. In six of the leading American institutions, comparative religion has found a place. Immense interest has been roused, and many will now sympathize with the conviction, expressed by another, that until our religious thoughts can claim to be universal "they will not satisfy a rational being."

This department will, I hope, inspire in the generations of scholars who are to pass through these halls, the joy of discovering the treasures of truth which are hidden, with much of rubbish and error, in the sacred books of the world. It will exercise diligent care in keeping eager minds from superficial and hasty generalizations. It will beget a continual regard for scientific methods and the indispensable work of the specialists. Under wise generalship, such as may be expected from the head of the University, it will make important contributions to human knowledge. In order to do this there must be cooperation with the scholars of other lands, and intelligent subdivision of work among students here. There is required a great library, not a few hundred, but many thousand books. Numerous special fellowships, like that founded by Dr. Hirsch, must be added. There is needed a Museum of all Religions, illustrating by relics, altars, shrines, and objects of worship, their character and history, a museum like the Guimet of Paris, and like that which President Warren of Boston has proposed for the

Puritan city, and which may find its home in the memorial structure which Mrs. Haskell is building. And there is required, also, such an awakened enthusiasm as came to Bunsen and Max Müller in their young manhood, inspiring infinite patience for the toils of a lifetime.

The history of Comparative Religion is not a long one, but it is starred with great names and is finding a foremost place in some of the universities of Holland, England, France, and Germany. Religions have been compared by their hostile adherents through many centuries, from the days of the Apostle Paul on Mars Hill, and of Elijah and the prophets of Baal at the foot of Mount Carmel, but the scientific study of it is recent. Yet it numbers illustrious philosophers and splendid investigators. I only mention the names of Sir William Jones, who opened up many of the literary treasures of the East, of Anquetil Duperron, who introduced to Europe a knowledge of the Upanishads, especially through the aid of Schopenhauer, who anticipated "that the influence of Sanskrit literature would not be less profound on this century than the revival of Greek on the fourteenth"; of Colebrooke, and Muir, and Max Müller, and Monier Williams, and Whitney, and Rhys Davids, and Oldenberg, who have made possible to us a still wider knowledge of the world in India; of Tiele of Leiden, Rénan and Albert Réville of Paris, of Hardy of Freiburg; of such students of China as Legge and Martin and Douglass; of Darmesteter, who has broadened our knowledge of Zoroastrianism. Not mentioning the names of the scores of famous scholars who have devoted their lives to Egypt, Assyria, and Islam, I may say that equally important have been the contributions to primitive history, archaeology, and the study of origins, which have been furnished by Lenormant, de Quatrefages, Tylor, Lubbock, and Herbert Spencer. All this indicates what a vast work has been done for the infant science. Primitive history has been ransacked; the archaeologist has pried into the fragments of the ancient world; mythologies, Hindu, Greek, Norse, Mexican and the rest have been reinvestigated; anthropology and ethnography have been questioned, and, best of all, philology has thrown vivid light on problems which history could not elucidate. Lecture-courses have been inaugurated, a few learned reviews have been established, and yet the science is scarcely a century old. Kant, Hegel, and Schleiermacher have furnished the philosophy of religion some of its valuable generalizations, and modern writers of eminence, like Fairbairn and Pfeiderer and the Cairds, have supplemented and corrected, where the earlier thinkers may have gone astray.

This study, picturesque and interesting on its artistic side, is the profoundest, most difficult, and most important to which the human mind can address itself. The Church of Christ should welcome it and carry into the study of hierology a spirit different from what has sometimes been shown. Above all it should not be afraid of it. The early Greek fathers had better ideas of God's presence in human life than some of the modern theologians. They were free from contempt for natural religion. Clement of Alexandria believed that Greek philosophy came from the same God who gave us the Old Testament and the New. Justin Martyr believed that the Logos or Reason is universal, and did not scruple to apply the name Christian to those who made this reason the rule of their actions, while St. Augustine, the father of the Latin Church, extended the domain of Christianity beyond the historic and geographic bounds of Christendom.

One of the inevitable effects of this study will be the rewriting of Christian theology. It must have a restatement, under the guiding principle of evolution, and in the light of these comparative studies. Here are tasks for giants. We need not fear the results. Christ will be exalted, while our conceptions of his activity are widened. When we remember the divisions of Christendom, and recall how interest has been centred on minor doctrinal and other differences, it is well that human thought should be enlarged to the boundaries of the globe. Sixty years ago, in the most cultivated parts of New England, men were fighting over the metaphysics of the divine decrees, and living in spiritual isolation from Christian neighbors. But larger and more practical problems have been forced into view. The urgent needs of Christendom, endeavoring with divided forces to conquer mankind, press on the mental vision. And now new and vast continents of history and spiritual life and speculation loom along the horizon. The American and the Englishman, plentifully equipped with positive dogma and splendidly eager for good deeds, require intellectual broadening and spiritual emancipation. They need to escape from provincialism of thought and sympathy. They need religiousness in the Asiatic sense, contemplativeness, the upward and ennobling look, and the ear that listens for "the divine voice that wanders earth with spiritual summons." Studies like these should give us depth as well as breadth. They should add to our self-knowledge by enlarging our knowledge of what is without, for, as Professor Caird has said, "the inner life of the individual is deep and full, just in proportion to the width of his relations with other men and things."

And the study of religion in its entirety should be a mighty reinforcement to faith. The spiritual facts and problems in their majesty and universality must awe the careless mind into reverence, and rebuke the shallow skepticism which dismisses the greatest fact of man's development as a baseless superstition. History itself is an unsolved problem without God, who is the interpreter as well as the director of human progress. If we leave out the Divine Providence, what can it be but an evolution with no eternal intelligence, no infinite energy, no all-wise and foreseeing purpose back of it. And surely history reaches not its highest worth until it rises to God. Some of its chief records must be erased if we omit the names of Abraham and Moses, of David, Isaiah, and Socrates, of Paul and John, of Confucius, and Buddha and Mohammed, Constantine and Athanasius, of Charlemagne and Bernard, of Luther and Cromwell, and the mighty muster roll of the sages, prophets and heroes of faith. If religion is simply a fading superstition, how does it happen that it maintains its hold and makes its swiftest progress in an age of scientific knowledge like our own? Mr. Kidd informs us that there is no tendency whatever to eliminate the super-rational element from religions. One who was acquainted with the British Association for the Advancement of Science under forty-one different presidents, says of them, after examining their religious positions, that, "the figures indicate that religious faith rather than unbelief has characterized the leading men of the Association." And a well-known expounder of evolution has written that science "instead of robbing the world of God has done more than all the philosophies and natural theologues of the past to sustain and enrich the theistic conception."

Can it be doubted that the highest thought of mankind has found expression in its greatest poetry? No chapter of study would have deeper significance than that which shows how the poet and the prophet, the singer and the seer, have been closely identified. Whether we read the hymns of the Vedas or the great Indian epics, the Babylonian psalms, or the Hebrew Psalter, the Orphic verses of Greece or the rhapsodies of the Sufis, whether we open the pages of Dante or Milton, Shakespeare or Goethe, Emerson or Victor Hugo, Browning or Wordsworth, Matthew Arnold or Tennyson, we find the soul of the singer looking lovingly, or with the gaze of awe and worship, into the realms of the Eternal Spirit, whose dwelling "is the light of setting suns and the round ocean and the living air and the blue sky and in the mind of man." And it need not be said that the greatest art, whether in music or painting, sculpture or architecture, has been the

efflorescence of faith. It is the thought of man's relations with supernal powers that built the temples of the Ganges and the Nile, which filled the Syrian vale with those columns which Baalbec still rears to the God of Light, which crowned the Acropolis with the Parthenon, which erected the cathedrals of the Middle Ages, which found expression through the pencil of Michael Angelo and of Raphael, and which, in the masters of music has environed our modern life and penetrated our daily thoughts with harmonies which seem like echoes of the music of the spheres.

If it be said that religion has largely been a record of intellectual and moral aberrations, we answer that the same is true of every part of human knowledge and effort. Politics has its Catilines and Caligulas. Science has its astrology and its alchemy and its thousand exploded theories; but even the mistakes of men have been stepping-stones to better knowledge. Bunsen rightly believed that the temple of God in history towers above all other temples. Religion is not to be judged by its defects, is not to be estimated by its failures, its Inquisitions, its heresy hunts and perversions, but by its highest manifestations. Human love which binds hearts together in families is not to be condemned on account of the misery which perverted love has engendered. Religion, having to do with the highest objects of knowledge, a personal God, gives the sanction of divine authority to the precepts of ethics. The sense of the divine, its nearness and awful power, and human responsibility and dependence—these are elements which have entered from the beginning into religion, and where some of them have been temporarily left out, as with Buddhism, perhaps in the revolt of the human spirit against sacerdotalism, superstition or polytheism, they have been restored, in whole or in part, by the very needs of human nature.

When we consider man after he has risen to the dignity of thought, we find him an inquirer gazing into a mysterious world. He stands on an isthmus, between the oceans of two eternities. Out of mystery he came and into mystery he goes. He recognizes himself; he recognizes the world outside of himself, and he recognizes also, that there is a connection between the two, a something binding them together—the great, all-surrounding unity which he calls the universe. He cannot rationally divorce this creation from the thought of creative powers, and though he has believed in the presence of many supernatural beings, he has generally, if often vaguely, recognized a Supreme Divinity behind all others, and with the disclosure of recent science he has reached the conclusion that there can be but one mind back of phenomena. It has been truly said by Professor Drum-

mond, "that the sun and stars have been found out. No man can worship them any more. If science has not by searching found out God, it has not found any other God, or anything the least like a god, that might continue to be even a conceivable object of worship in a scientific age."

As we study man even in his degradation, we find him to be a worshipful being. Prehistoric men have their idols, their beliefs in the life beyond, indicated by their burial customs. Thus religion is not something imposed upon man, but something that springs up within him. The doctrine of a God, immanent as well as transcendent, simplifies some of the questions regarding the origin of religion. We trace its birth not to the call of Abraham or to the hymns sung by the Vedic man "under the bright sky and beneath the burning stars of India." Its origin is not with the priests of the Nile or the miracles of the New Testament. It is older than history. We say that it is "instinctive" for men to recognize the supernatural origin and environment of life. They may call God by a hundred names, and the gods of the Hindu mythology by a hundred thousand, but they cannot get permanently away from the Infinite Spirit. They learn, as one has said, that "behind all the phenomena of nature there is a cause, that behind the apparent is the real, that behind the shadow there is the substance, that behind the transitory there is the eternal." Man discovers but does not make the relations and laws which enter into the substance of religion; and hence it is true that, if all the books that are deemed sacred were burned, if the historic records were obliterated, if the temples and rituals and elaborated creeds of today were swept out of sight and out of mind, and if only the infant children now living in the world were to continue to live after this hour, though the loss would be unspeakable, Sinai gone, and Bethlehem, the Mount of Beatitudes, and Calvary sunk below the horizon, still the young, new race would learn to recognize God and build the altars of faith; "the fair humanities of old religion" would return because the old heart-hunger for God would not be destroyed, and the soul, the mother of all traditions, would build its shining ladders, behold the ascending and descending angels, and listen once more to the songs of the Spirit.

Religions have died, but the spirit of worship survives. Certain forms of faith, linked in fatal union with the state, went down into the graves of ancient empires, but the realm of faith was never so large and luminous as today. Science is showing a deeper regard for religion. It is far more reverent and in closer sympathy with faith. The time has come when scientific minds have undertaken the study of

these vital phenomena which constitute the main current of human progress. The whole tendency today is toward a worshipful and loving trust in the Eternal Spirit. Agnosticism is not so unknowing as it was twenty years ago. "Each act of scientific examination," as John Fiske has said, "but reveals the opening through which shines the glory of the Eternal Majesty." Environment includes God, the chief force and factor in development. God, immortality, the spiritual origin and direction of all things, these are the truths that are most consonant with our present state of knowledge. Evolution has enlarged the domain of natural theology and changed its scope, though not its results. Physical and metaphysical science are not at war. They are not indifferent to each other. They are pursuing similar ends. It is not only true that science endeavors to think God's thoughts after him, while religion endeavors to feel God's emotions after him, but it is also true that science is becoming religious, and religion scientific.

Who can take up any department of study, whether he opens the Greek and Latin authors or reads the older record of the rocks, whether he pursues the path of linguistic or zoölogic palæontology, without finding himself in a road which leads directly or indirectly to religion? The classic languages are the keys of the ancient mythologies. The comparative study of the Semitic tongues is increasing our knowledge of prehistoric man, as the comparative study of the Indo-Germanic languages has also done. Christianity was carried to many of the chief cities of the Roman world by the language of Plato, and for centuries its treasures were largely contained in the speech of Cicero. The problems of philosophy are the problems of religion. And thus, in the realm of thought as well as of life, religion is a principle, which "imposes itself upon man everywhere and always, and in spite of himself comes back again violently into life at the moment it was thought to be stifled."

It is through religion—in its highest forms—that men have come to realize their unity, and perhaps mankind never reached the consciousness of its oneness, its needs, its divine possibilities so completely as in a Congress of all Faiths. Indeed religion is becoming the unifier of knowledge, and furnishes the spiritual bond which holds together the departments of a great university. Without it life would tend toward the material and sensual; with it men come to value the spiritual. Without it they crown the earthly, as in the decadent age of the Roman Empire. With it they perceive that Paul's dusty sandal is more radiant than Nero's jeweled diadem. Religion is far more than the pursuit of truth; it is far higher than intel-

lectual discipline. It is character, moulded by the spirit of God and by the ideals which Jesus more than any other prophet has glorified. We yield honor, great and lasting honor, to intellectual strength and attainment. The statue of a noble mind is fairer to our eyes than any sculptured Venus or antique Hercules, but we refuse to deck with our brightest laurels any brows of intellectual majesty, however radiant and Olympian, which have not already been girded by the imperial and enduring splendor of the moral law.

All the paths of truth and research and duty lead to the city of God, which is the metropolis of man, the home of the soul, because the soul was made for God—a city which is also a temple. We are learning, in spite of the crimes which have been committed in the name of religion, that spiritual forces, working often outside the churches and the priesthoods, have been the most powerful in human advancement, and that, as Albert Réville has said, "morality gains in attractiveness and power by its alliance with faith." Much might be said to illustrate our theme, both positively and negatively, from the wondrous life of India, where the Vedas gave form and spirit to a development which has lasted for through twenty-five centuries. Hindu civilization—that immense and various life which men have lived

"Under the southward snows of Himalay —"

presents always a strange sacerdotal cast, and with its deviousness, its glooms, its storms, its vastness, and its languors, may be well likened to the mystic and sinuous stream of Coleridge's *Kubla Kahn*,

"Meandering with a mazy motion,
Through wood and dale, the sacred river ran,
Then reached the caverns measureless to man,
And sank in tumult to a lifeless ocean."

This theme might be illuminated from the records of Egypt, Greece, and Assyria. But, limiting our thoughts to western civilization, we discover that religion has promoted humanity, and regard for the individual has abolished European and American slavery, under whose shadow science was impossible, and has provided those conditions and motives by which scientific progress has been so swift and beneficent. It has furnished the framework and the life-blood of our modern world. It has given the strongest sanctions for right conduct and taught an ethical system under which the Western peoples have reached "the highest state of social efficiency ever attained." "Religion, mother of Form and Fear," is also, as Wordsworth says, "Mother of Love."

Such a faith as we cherish has the elements of universality, and I am profoundly glad that this institu-

tion, sympathetic with that Christian missionary movement which is the chief spiritual phenomenon of our time, is ready to offer peculiar advantages to youthful missionaries in the study of the faiths with which they are to meet; that within these walls they may learn the languages which they are to speak by the Orontes and the Indus, and that here they are to become familiar with those Oriental systems which Christianity, with its purer ethics and purer theism and its incomparable Christ, will ultimately displace. It is now understood that missionaries cannot do the best work with educated Asiatics, or even with the uneducated, without some knowledge of these commanding themes. I might quote the opinions of a score of scholarly veterans in the missionary field, confirmatory of this position. A Buddhist priest in Tokyo said to a Scotch Christian, "You would better send us one ten thousand dollar missionary rather than ten one thousand dollar missionaries." Better preparations and a higher class of minds are demanded. The time has passed when our Christian work in other lands could be symbolized "by a band of half-naked savages, listening to a missionary, seated under a palm tree, and receiving his message with childlike and unquestioning faith." "Do you tell us," said a Hindu to a missionary teacher, "that God is everywhere present and pervades all things?" "Yes." "Is he in every visible object, and even within us?" "Yes." "Then he is in that idol yonder, and that is what we have always held." Why should not this great University duplicate the work of the Church Missionary Society of England, where a lectureship given to the study of the non-Christian systems is furnished as a preparation for the missionary life, and going one step further, why should not some broad-minded believer endow a lectureship on the basis of the recent Parliament and invite scholarly representatives of the ethnic systems to explain their own views and interpret the heart and spirit of their venerable faiths. A timid attitude on the part of Christians is half surrender, and utterly unbecoming the possessors of such a revelation as that which we cherish. Long familiar as we are with the best which Greek and Roman heathenism could teach us, and not abashed by it, why should we shrink before the best which China and India can impart? In my estimation the preparatory knowledge which our candidates for the foreign work require, can be furnished by no plan less comprehensive than that which I have outlined.

And I believe there is demanded a wiser and humaner method in dealing with these faiths, in which truth and falsity, spiritual beauty and moral blemishes are so amazingly intermingled. Comparative religion

has delivered the Christian mind from the error of regarding all the ethnic systems and prophets as inspired only by the spirit of evil. To gain the non-Christian populations, we must gain their hearts; we must thankfully acknowledge whatever truth we find in their teachings; we must make them love us and trust us before we can make them believe with us. We need not speak contemptuously of the Eightfold Path of Gautama Buddha while urging men to find in Jesus Christ the Way, the Truth, the Life.

The lectureship upon which I enter deals with the relations of Christianity to the other religions. Though the voices of God have been heard everywhere, they have been more distinct and authoritative in connection with the Hebrew prophets and the Christian apostles. I shall endeavor to show that Christianity is the one historic religion, interweaving its doctrines with facts which spring from the stem of humanity's chief development. With fair-mindedness, with no spirit of disdainful criticism, with veneration for the worshiping instinct wherever found, with hospitality to all truths, I shall strive to show that Christianity is the only truly redemptive and the only progressive religion. I shall labor also to make plain that Christianity alone has in it the elements of a universal faith. Other systems are stars of various lustre in the twilight of the race, while the religion of the Jewish and Christian Scriptures is the sun of the world's advancing enlightenment. I have no sympathy with the theory that religion may be best taught apart from its intellectual foundations. Human nature is a unit and it requires doctrine for the mind as well as love for the soul. I do not believe in any eclecticism, propounding a new faith mingled with elements from all the others. While Parseeism, Buddhism, Hinduism and the rest, like the ancient philosophies, have messages for Christendom, and while, by the way of warning and instruction, they may teach us priceless lessons, they can make no contribution to the Christianity of the Christ, "in whom are all the treasures of wisdom and knowledge." No wiser word was spoken at the Parliament than by Professor Goodspeed, when he said, "The graves of the dead religions declare that not selection but incorporation makes a religion strong, not incorporation but reconciliation, not reconciliation but the fulfillment of all these aspirations, these partial truths in a higher thought, in a transcendent life." The ethnic faiths are not mere curiosities or moral monstrosities on the one hand, and still less, on the other, are they the final faiths of the nations adopting them. It is unscientific, now that men accept the unity of mankind, to claim that no one religion can ever hope to be universal. Since the social, industrial

and intellectual unification of mankind is certain, and since human needs are the same everywhere, why should not the best religion be received ultimately by all?

Our recent studies have added much to the spiritual panorama of human history. The mild and tolerant Buddhist Emperor Asoka, the Hindu Constantine, takes his place unabashed by the savage and shrewd warrior who saw the cross in the sky. Akbar, the Moslem, appears in company with Charlemagne, the Christian. St. Peter's looms before us on the same horizon with the Temple of Heaven at Peking, and the Milan Cathedral stands by the Mosque of Omar. The waters from the well of Zemzem together with those from Bethesda are brought to our lips. The grotesque pictures of India startle the eyes which have seen the canvasses of Fra Angelico and Titian. Moses and Mohammed walk before our vision; saints throng round us besides those in the Acta Sanctorum of Catholic Europe; the monks of the Nile and the monks of Thibet look out upon us, while the sacred books of the Orient, an imposing library in themselves, dwarf the modest volumes of the Old and New Testaments. But we are not disturbed or distracted:

"For over all the creeds the face of Christ

"Glows with white glory on the face of Man."

We have seen Him who, in various measure, has enlightened all. He is the key to history and religion, because he is the Reconciler as well as the Redeemer. Only his spirit penetrating to all the earth could have secured such expressions of fraternity among wide-sundered faiths as our ears have heard. In this city of the West which the Columbian Fair "made known to every crossroads in Asia," and in which, and not in London or Jerusalem, Rome or Benares, the great divided religions of twelve hundred millions of mankind met, one year ago, on their Mount of Transfiguration, in this city toward which historic lines have been drawn from every prophet and holy martyrdom and shrine and song and hope of humanity, by all sacred mountains and rivers, through thousands of years of strife and suffering and change, up to one supreme hour,—in this city, a magnificent opportunity is given to this university not only of promoting the knowledge of religion, but also of winning the intellects and hearts of God's children everywhere, to those higher truths which are centred in the Christ of the Gospels. Christianity, tolerant, because cherishing an invincible faith in her spiritual victory, not "divorced from the moral order of history," but penetrating, explaining and crowning that order,—Christianity, all luminous with Christ, is the religion of the coming man,

for Christ is the eternal Son of God in whom reason and faith, the individual and society, man and woman, morality and religion, heaven and earth are perfectly conjoined and reconciled. He is and may be shown to be the New Dispensation, which the saintly Chunder Sen of India believed had dawned in his own heart; He is the harmony of all scriptures, saints and sects, of inspiration and of science, of Asiatic thought and of Western activity, the reconciliation of apparent contradictions, "the invisible Westminster Abbey" wherein the enmities of more than a hundred generations are to lie buried and forgotten.

He came among men, not to make them religious but to make them holy. The pagan is religious who offers rice to the hideous idols of an Asiatic temple, or beats a horrible drum to keep away the witches from an African village, but the pagan, whether living here or in Canton or Natal, needs a new heart. Loving sin, he needs, first of all, the love of holiness. We who know what the other faiths have wrought for the social and moral elevation of mankind are not disposed to deny them the possession of many truths, and of some restraining and inspiring power. But it is not truth alone which saves men; it is life which begets life. The ethnic faiths are so imperfect and erroneous, and so lacking in that divine energy which works through the redeeming facts and forces of the Christian Gospel that they must give way before that which is supreme and perfect. I magnify religion in the world that a may exalt the Christ, the founder of the only world-religion. I believe that He has been everywhere by his spirit, and that all that is true, beautiful, and good is a part of His manifested glory. But the work of his

church, made one in Him, is to reveal to all mankind the Christ of the Gospels, to be witnesses of His truth and love to the uttermost parts of the earth. He was delivered unto death for the offenses of men; He was raised from the grave for the justification of our faith in Him, and, thus exalted, He has promised to draw all men unto Him. And we have a moral and intellectual right, with all brotherly kindness in our souls, to ask kings and sages, poets and prophets, to crown Him the Lord of all. In the olden days when the German emperor was chosen, the three archbishops of Trèves, Mayence, and Cologne, girt him with the sword and crowned him with the crown of Charlemagne. At the banquet the Bohemian king was his cupbearer; the Count Palatine plunged his knife into the roasted ox and waited on his master; the Duke of Saxony spurred his horse into heaps of golden grain and bore off a full measure for his lord, while the Margrave of Brandenburg rode to a fountain and filled the imperial ewer with water. Standing this day, as in the presence of the chief prophets and mightiest forces of the world let us expect a new coronation of the world's Christ, the rightful Emperor of mankind. Let the churches girt with His sword of spiritual power, crown Him with the royal diadem which is His due; let princes and nobles be the servants of His gospel; let kings and emperors wait on Him who is the Ancient of Days; let cities bring great measure of gold to publish His word, and let universities, loyal to the spirit which has founded the chief seats of Occidental learning, forsaking every unworthy and strange idolatry of human leaders, fill their imperial chalices from the River of the Water of Life, and stand attendant on their Lord.

THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY FOR THE QUARTER ENDING SEPTEMBER 30, 1894.

MEMBERS OF THE UNIVERSITY, TRUSTEES, INSTRUCTORS, STUDENTS, AND FRIENDS :

The first division of our scholastic year has passed. Today we enter upon the second. To many of us doubtless these exercises seem to mark the beginning of a new year; but some of us, with the recollections of the summer fresh in mind, realize that since the beginning of our University year, much has already been accomplished. The most radical factor in the constitution of the University, that, indeed, which furnishes the explanation of other factors more or less peculiar, is the arrangement of the Summer Quarter. There were some, of course, who doubted its practicability. All seemed to recognize the importance of the arrangement, if it could be made to work. The feasibility of the plan has now been tested, and the test seems to have been sufficiently severe. Although during the last week of June and the first weeks of July the public mind was in a state of great excitement, and travel rendered almost impossible, thus deterring many who would otherwise have come; although the season was one of exceptional heat and dryness; although the preparation for the work had been made without any definite knowledge of what would be expected or desired on the part of students, the results, according to the testimony of both students and instructors, have been of such a character as to justify beyond all question the action of the trustees in planning a fourth quarter.

The Statistics of the Summer Quarter.

The following regular members of the University staff offered instruction: Head Professors Dewey, Judson, Hale, Harper, Knapp, Michelson, and Small; Professors Chandler, Donaldson, A. C. Miller, Moore, Nef, Salisbury, Shorey, and Terry; Associate Professors Bemis, Buck, Cutting, Goodspeed, Harper, Henderson, Mathews, McClintock, Price, Stagg, Stratton, Thatcher, Tufts; Assistant Professors Baur, Bergeron, Blackburn, Schneider; Instructors Arnolt, Caldwell, Crandall, Herrick, Hill, Howland, Jordan, Lingle, Lovett, Moore, Stieglitz, Von Klenze, Young; Tutors Owen, Votaw; Assistants Conger, Eycleshymer, Hobbs, Shepardson, See, Walker; Readers Laves, Mulfinger, Slaughter; Docents Curtis, Hussey, Hutchinson, Hourwich, Wirth; Fellows and Special Appointees Clarke, Miss Davies, Fulcomer, Heidel, Raycroft, Smith, Thomas.

The University received from other institutions the assistance of able representatives: Professor Sylvester

Burnham, in Hebrew, of Colgate University, New York; Professor L. A. Sherman, in English, of the University of Nebraska, Lincoln, Neb.; and Professor Edwin Post, in Latin, of De Pauw University, Indiana.

Of the seventy-three officers, five head professors were in residence both terms, two, a single term; nine professors, both terms, two, a single term; ten associate professors, both terms, five, a single term; three assistant professors, both terms, two, a single term; eleven instructors, both terms, two, a single term; and of the remaining officers, fifteen, both terms, eight, a single term; of the heads or acting heads of departments, seventeen were in residence during all or a portion of the quarter. This calculation does not include the work done in Zoölogy and Physiology under Head Professor Whitman and Assistant Professor Loeb, at Wood's Holl, Mass. Of the seventy-three officers, fifty-two had arranged to take their vacation in whole or in part in the Autumn, Spring, or Winter Quarters.

The number of students registered in the University during the Summer Quarter was 605,—403 men and 202 women. The registrations for the Spring Quarter numbered 755,—518 men and 237 women. The difference in point of numbers between the Spring and the Summer Quarters is thus largely on the side of men, and is to be accounted for chiefly by the reduced attendance in the Divinity Schools of the University.

In the Graduate School the attendance during the Spring Quarter was 238,—172 men and 66 women; during the Summer Quarter the attendance was 223,—157 men and 66 women. Of the 238, 77 were old students, and 161 were new students,—a fact which shows that the interest in advanced scholarship throughout the west is already strong, and needs only such an extension of opportunities as this University affords, to become an important factor in the educational development of the country. The larger part of the graduate students are persons already engaged in teaching, anxious to raise the standard of the work of their own profession. In the University Colleges the registration of the Spring Quarter, 73, fell to 38 in the Summer, and in the Academic Colleges the loss was the difference between 220 and 83. The reduced numbers in the colleges was largely made up by the increase in the registration of unclassified students,—171 in the Summer, against 79 in the Spring. Here again, as in the case of the Graduate Schools, we find a very large proportion of teachers, intent on applying

the knowledge and methods of the new and higher education to the problems of their profession. The connection thus established between the University and the common and higher schools of the country, is surely one of the most important results of the Summer Quarter.

Of the students of the Summer Quarter, 566 were present during the first term, and 338 during the second; 203 were in residence during the entire quarter. Of the total, 109 were old students, continuing the work begun in some previous quarter, which leaves the number of persons matriculating for the first time in connection with the Summer Quarter, 415, a larger number of new students than entered the University during any quarter except the first.

The geographical distribution of students in the Summer and in the Spring Quarters is indicated by the following tables:

SUMMER QUARTER.	Chicago.	Illinois.	Middle West.	New England and Mid. States.	South.	Far West.	Foreign.
Graduate School of Arts and Literature.....	22	15	54	26	21	6	4
Ogden School of Science....	15	3	31	11	11	2	2
Non-resident Graduates.....	..	5	7	3	2	..	5
Graduate Divinity School...	6	5	14	4	11	..	3
English Theol. Seminary....	1	2	7	2	1	2	2
University Colleges.....	15	7	7	4	2	1	2
Academic Colleges.....	42	18	12	6	1	3	1
Unclassified	28	36	82	9	11	5	..
Total	129	91	214	65	60	19	19

SPRING QUARTER.	Chicago.	Illinois.	Middle West.	New England and Mid. States.	South.	Far West.	Foreign.
Graduate School of Arts and Literature.....	37	15	62	35	9	3	8
Ogden School of Science....	15	8	21	14	3	2	5
Non-Resident Graduates....	..	5	6	4	3	..	6
Graduate Divinity School...	11	13	29	16	5	3	10
English Theological School...	3	6	8	5	..	1	2
University Colleges.....	21	15	23	9	..	3	1
Academic Colleges.....	109	44	38	17	6	3	2
Unclassified	29	15	17	12	3	3	..
Total	225	121	204	112	29	18	34

A casual comparison shows that the distribution of students of the Summer Quarter was far wider than that of students of the Spring, which may be taken as indicating a typical quarter of the University year. In the Spring, 225 students came from Chicago, in the Summer only 129. In the Spring 38 per cent. of students came from Chicago, in the Summer 21 per cent. The per cent. of students from the rest of Illinois scarcely varied from the Spring to the Summer Quarter. The number of students from the Middle West was absolutely larger in the Summer than in the Spring. The number of students from New England and the Middle States was smaller absolutely and constituted a smaller per cent. during the Summer Quarter than during the Spring Quarter, but this falling off was owing to the fact that a large number of the permanent students of the University (no less than one-seventh) come from the east, and of this class of students, owing to the distance from their homes, very few found it convenient to remain in residence during any part of the Summer Quarter. From the south the number of students in attendance during the Spring Quarter was actually doubled in the Summer Quarter. On the whole then, the University will be seen to have extended its territory and to have sowed the seed of increase which can be measured only in the future.

From the experience of the summer we have learned some important lessons. It is evident that greater good will be accomplished by multiplying the number of majors of instruction and diminishing the number of double minors—by arranging the work, in other words, in order that the regular twelve weeks' course may be completed in six weeks, the number of hours of class-room work being doubled. The force of instructors in certain departments, at all events, must be largely increased in order to meet the demands. It is safe to assume that the number of students for the Summer Quarter of next year will be double the number of the present year.

The New Appointments.

The new appointments for the current year were made, for the most part, before May 1st. During the Quarter just closing, however, the following additional appointments have been made:

Elizabeth Wallace, Reader, to the Headship of Beecher House.

Myra Reynolds, Assistant, to the Headship of Foster House.

Robert M. Lovett, Instructor, to the Headship of Snell House.

Jerome H. Raymond, University Extension Lecturer, to the Secretaryship of the Class-Study Department of University Extension.

George B. Hussey, of the University of Nebraska, to a Docentship in Greek.

Max West, Fellow, to a Docentship in Social Science.

Henry L. Clarke, to give instruction in Botany.

Arthur T. Walker, Fellow, to an Assistantship in Latin.

Adolph Bernhard, Fellow, to an Assistantship in Chemistry.

William M. Hoover, of Miami University (Ohio), to a Non-Resident University Assistant Professorship in Mathematics.

John M. Coulter, President of Lake Forest University, to a Non-Resident Professorial Lectureship in Botany.

Appointments to other Institutions.

Among others the following members of the University have received appointments in other institutions:

Charles Lawrence Bristol, Fellow, to the Professorship of Biology in the University of the City of New York.

William Caldwell, Instructor, to the Acting Professorship of Ethics and Social Philosophy in the Northwestern University.

John Cummings, Reader, to an Instructorship in Political Economy, Harvard University.

Vernon J. Emery, Assistant, to an Instructorship in Latin, Adelbert College, Cleveland, O.

Oliver P. Hay, Honorary Fellow, to an Assistantship in Vertebrate Zoology at the Field Columbian Museum, Chicago.

John I. Hutchinson, Fellow, to an Instructorship in Mathematics in Cornell University, Ithaca, N. Y.

Herbert P. Johnson, Fellow, to an Instructorship in Zoology in the University of California, Berkeley, Cal.

Jessie Jones, Graduate Student, to an Instructorship in German, Chicago Female College.

Frank R. Lillie, Reader, to an Instructorship in Zoology in the University of Michigan.

Eliz. Ross Linfield, Graduate Student, to an Instructorship in German, Chicago Preparatory School.

Sidney Edward Mezes, Docent, to the Adjunct Professorship of Philosophy and Headship of the School of Philosophy in the University of Texas, Austin, Texas.

Joel R. Mosley, Fellow, to the Professorship of Political Science and Philosophy in Mercer University, Macon, Ga.

Howard N. Ogden, Graduate Student, to a Lectureship in Legal History in the Law School of the Northwestern University.

Elizabeth T. Reese, Graduate Student, to the Professorship of French in Western Maryland College, Westminster, Md.

Emily James Smith, Fellow, to the Deanship of Barnard College, New York, N. Y.

Ralph Parsons Smith, Graduate Student, to an Instructorship in German, Illinois State University.

Madeleine Wallin, Fellow, to an Instructorship in History and Civics, in Smith College.

Henry Kirke White, Fellow, to a Tutorial Fellowship in Political Economy in the University of Missouri, Columbia, Mo.

William C. Wilcox, Fellow, to the Professorship in History in the University of Iowa.

Florence Wilkinson, Graduate Student, to an Instructorship in the College Preparatory Department of the Hyde Park High School, Chicago.

Maud Wilkinson, Honorary Fellow, to a Tutorship in Latin and Greek in Kalamazoo College.

On behalf of the trustees, I wish to make a public statement of our appreciation of the fact, that several of our staff of instructors, though invited to accept positions in other well known institutions at salaries in advance of those which they now receive, have declined these offers and remained with us. When an instructor has been connected with an institution for many years, having been himself a student in the institution, such devotion to its interests is more easily understood. It is hardly necessary for me to say that the University watches with close and increasing interest the growth of every man upon its staff, and that it will in every case exert itself to give tangible indication of its appreciation of the service rendered.

Outside the University.

The University has been represented abroad at the International University Extension Congress by the Director of the University Extension Division, Professor Nathaniel Butler. Much was accomplished at this gathering to make more definite the aims and methods of this new element in education, and we may congratulate ourselves that among the contributions offered at the various meetings, that of the University of Chicago was not the least.

The University of Halle, completing during the present year its second century of existence, celebrated the event in a three days' festival in the early part of August. Our own University, being invited in common with many others in all parts of the world

to send delegates to participate in the celebration, responded by the appointment of Professors Hulbert and Burton, who were at the time in Germany. These gentlemen were present and bore the greetings of a University just completing two years of history to one whose records cover two centuries.

The University is indebted to the Government at Washington for the honor conferred upon one of its members by his appointment to represent the Government at the International Oriental Congress held in Geneva, Switzerland, Sept. 9th to 16th. It was a source of great regret that official duties prevented the acceptance of the appointment.

The University congratulates itself on the safe return of Head Professor Chamberlin from the Arctic regions. In this journey he has been able to see something of the salient features of the west coast of Greenland from its southern point northward to latitude 77°, a distance of more than a thousand miles, to study seventeen of its glaciers, and its great inland ice-camp, and to gather some additional information regarding its geological structure.

Work of great importance has been accomplished by Associate Professor George E. Hale in his visit to the leading observatories of England and the Continent, and the results of this work will be seen in the improvements made in the plans of the Yerkes Observatory, as well as in the cooperation secured from the most eminent astronomers of many foreign countries in the new work which is about to be undertaken by the University.

Important results have been secured during the summer by Assistant Professor Baur and Assistant Quereau, who have been engaged in gathering palaeontological material for the Walker Museum, and by Assistant Professor Starr who has spent the summer in New Mexico and Old Mexico; in New Mexico visiting a number of the Pueblos, and in Old Mexico inspecting some of the better known ruins. Considerable material in the way of collections has resulted from his visit.

Representatives of the University, in connection with representatives of several other institutions, convened in the month of July for the consideration of questions relating to the teaching of English in secondary schools. As a result of the meeting, a permanent organization was formed and an executive committee appointed, of which Assistant Professor Blackburn of the University was made chairman. Important action has already been taken by the committee and great good may be expected from future meetings of this society.

University Buildings.

It gives us pleasure to announce that the bids for the building of the Yerkes Observatory at Lake Geneva are now in the hands of the architect. It is hoped that the contract may be assigned at once and that work upon the observatory may be begun within thirty days. The location of the Haskell Oriental Museum has been determined and the general plans of the building have been formed. The architect and the committee are still at work upon the details.

The request of the Graduate House for the removal of partitions in order that a more commodious parlor may be secured has been granted, and the necessary changes will be made at once.

Gifts.

On behalf of the University I desire to acknowledge the gift of a collection of shells for the Museum from the Reverend R. A. Thomson, and the courtesy of the Directors of the Field Columbian Museum in granting free admission to the Museum to all members of the University.

The Scandinavian Seminaries.

In accordance with the action of the trustees the work of the Scandinavian Theological Seminaries has been transferred from Cobb Lecture Hall to Walker Hall at Morgan Park. The faculties of these seminaries have been organized into a separate faculty under the Divinity Faculty for the conduct of this work. It is believed by those who are most closely connected with the work that it will now develop more rapidly and more satisfactorily. Walker Hall has been thoroughly repaired and beautified. The accommodations are most excellent and convenient. The preparatory work, which for the time being seems absolutely necessary for the sake of the higher theological work, may now be conducted in connection with this higher work. It is also believed that the great Scandinavian constituency which forms so important a factor in the civilization of the northwest will rally to the support of this division of the University which is now given greater advantages and greater dignity than before. The many friends of Professor Jensen will rejoice in his recovery, after a year's absence in California, and in the fact that he is now able once more to resume his work in the University.

The University Academy.

The problem of secondary education in its relation to higher education grows more and more serious. In its Academy at Morgan Park the University has an institution in which many of the phases of this

problem may be worked out. Realizing the greatly increasing importance of this department of its work, everything possible has been done during the Summer to increase the material advantages of the Academy. A steam heating plant has been placed in Morgan Hall. Much has been done to beautify and adorn the buildings and grounds. The attendance up to this time has been about one hundred. This number will be doubled during the present year. The superior character of the work done is beginning to be known, and only time is needed to make the Academy, in numbers as well as in the character of work done, the Phillips Andover or the Phillips Exeter Academy of the west.

Plans for the Coming Year.

You will permit me a few words concerning our plans for the coming year. Along what lines are we to work? What different things are to be undertaken? I speak now of that which is on the outside. The problems which lie before the various faculties are already fairly outlined. It is better, however, to reserve a public statement concerning these until they have been more fully discussed.

The Astrophysical Journal. In connection with the organization of the Astronomical Department, attendant upon the finishing of the Yerkes Observatory, the University desires to establish a Journal of Astronomy and Astro-Physics. The more important steps have already been taken. The journal heretofore known as *Astronomy and Astro-Physics*, published under the editorship of Professor Payne, of Carleton College, and Associate Professor George E. Hale, will be transferred to the University, and will form the basis of a new journal. As already indicated the coöperation has been secured of many of the leading astronomers of the Old World, among whom may be mentioned Professor H. C. Vogel, Director of the Imperial Observatory at Potsdam, Germany; Professor P. Tacchini, Director of the Roman College at Rome; Professor Cornu, Professor in the École Polytechnique, Paris; Dr. William Huggins, of the Tulise Hill Observatory, London; and Professor N. C. Dunér, Director of the Royal Observatory at Upsala, Sweden. In order that the journal may be made as perfect as possible, typographically, and in order that the illustrations may be as full as possible, a fund has been secured guaranteeing the University for the publication of the journal \$1,000 or more each year for five years in addition to the receipts from subscriptions and advertising. To this fund, payable annually for five years, the following gentlemen are subscribers: Chauncy J. Blair, D. H. Burnham, Geo. A. Fuller, George E. Hale, Geo. W. Hale, James W. McDonough, Frank S. Osborn, D. V.

Purington, Martin A. Ryerson, Francis T. Wheeler. The University is exceedingly fortunate in being able to receive this assistance for so important a work.

The Woman's Building. The University has in its possession the sum of nearly \$18,000, subscribed towards a woman's hall. To complete this building, of which the foundations have already been laid and which is to occupy the space between Kelly Hall and Beecher Hall, will require the sum of \$60,000. One of the things which we should like to see accomplished during the present year is the raising of this fund. An effort was made to secure this money as a part of the Million Dollar Fund, but this effort did not succeed. To the women of Chicago and of the Northwest the University turns for the completion of the work so nobly begun. With this hall completed the University will be able, at least for a time, to meet the demand which is rapidly growing for accommodations for young women. Will the plea of the University be in vain?

The Biological Laboratory.—The greatest need of the University today, beyond all question, is that of a Biological Laboratory. No group of departments in the University is more strongly manned, or has in it more definite promise of greater and richer results, whether in the line of instruction or investigation. Yet these departments, requiring the most carefully adjusted accommodations, are compelled today to occupy rooms, some in one laboratory, some in another, scattered about on different floors, without unity of plan, without adequate accommodations of any kind. The University has done its utmost to meet the demands of all departments organized. It is ready to confess, however, that to the Biological departments, the obligations which it assumed in their organization have been less satisfactorily fulfilled than to any other. With Geology temporarily housed, with Physics, Chemistry, and Astronomy permanently provided for, there still remains the task of making the necessary provision for the great group of Biological departments, Zoölogy, Botany, Palæontology, Physiology, and Anatomy. We cannot hope to make full provision at once, but the interests of science and the immediate interests of these departments demand that within another year there be erected at least one laboratory which shall meet pressing needs. It is literally impossible for the work to continue in its present quarters. The laboratory needed can be erected for \$100,000. Who will build it? The plans are ready. Work may begin within thirty days if only the money is in hand.

The School of Law.—The time has come when a faculty of Law should be gathered together and in-

struction in this great division of the University work begun. The plan of the School of Law has been in large part prepared. The features of the school have been marked out. In order to establish a school which from the beginning shall be prominent among similar schools in this country, a school to which only graduates of colleges shall be admitted, a school for the study of jurisprudence as well as of practical law, the University needs \$30,000 a year for salaries, and \$50,000 for a library. If there were thirty men who would contribute \$1,000 a year for five years towards salaries of the professors until the school could be fairly established, and until some permanent funds could be secured, the University would undertake the work and the school would be open for instruction Oct. 1, 1895. This is one of the tasks which should be undertaken during the coming year. May I speak of one thing more?—

The University Chapel.—The most pressing general need of the University today is a place in which to conduct public meetings; in other words, a chapel in which the official meetings of the University can be held. Up to this time money has been given to the University for the most part in large sums by men of wealth. The time has come for an effort to be made which will enlist the sympathy and coöperation of the largest possible number of persons. Up to this time the members of the University, the professors and students, have done little to advance the material interests of the University. An effort undertaken by the faculties and students would be appreciated by the Board, by the public, and I am very sure by Mr. Rockefeller. There is nothing on

which the general interests of the University would be united so easily and so strongly as upon a general building like the chapel. Such an effort should lay emphasis upon small subscriptions, from a dollar upward; but it should be so organized as to allow subscriptions of any size.

The structure of the chapel should be so arranged as to make provision for headquarters for the various organizations of a religious character connected with the University, and from this point of view there could be aroused large and general interest in the undertaking. The sum expended should be \$250,000, of which \$50,000 should be set apart for the maintenance of the building. It might be wise to begin the erection of the building when \$100,000 had been subscribed, and to continue the work only as rapidly as the subscriptions would permit. The Women's building, the Biological laboratory, the School of Law, the University Chapel—these are the pressing needs of the institution; and for these we must work this year.

In Conclusion.

To the visiting clergymen who have come to take part in the conferences of the week, to the representatives of sister institutions who have come to join us in doing honor to the memory of those who have departed, I desire to extend the greeting of the University and its hospitality.

The duties of life are many and varied. Strength is needed to perform them, and courage. Let us help each other; and let us, also, seek help other than human.

HONORS AND PRIZES.

THE ELLEN B. BASTIN PRIZE.

The *Ellen B. Bastin Prize* offered by the Philosophy and Science Department of the Chicago Women's Club, for the best paper embodying the results of original research in any of the natural sciences, has been awarded to

ELIZABETH COOKE, S.B., *Fellow in Physiology.*

Committee on Award: PROFESSORS LOEB, STRATTON, and DONALDSON.

SCHOLARSHIPS.

Scholarships in connection with the Autumn examinations for admission were awarded to the following students:

LESTER, MINNIE

(Tuscola High School).

WOOLLEY, EDWIN C.

(Preparatory Department, Ohio Wesleyan University).

Honorable mention was accorded to:

FREEMAN, JOSEPH E.

(East Aurora High School).

MICHAEL, MAY

(Chicago Academy).

DEGREES AND CERTIFICATES.

(Conferred at the Autumn Convocation).

DEGREES.

DOCTOR OF PHILOSOPHY.

BERNHARD, ADOLPH, A.B., Johns Hopkins University, '89; Fellow in Chemistry, Clark University, '91-2; Fellow in the University of Chicago, '92-4; Assistant in the Chemical Department, *ibid.*, '94.

Department: *Chemistry.*

Subordinate Subject: *Physics.*

Thesis: *Ueber die Einführung von Acylen in den Benzoylessigäther.*

BUCKLEY, EDMUND, A.B. and A.M., University of Michigan, '84; Fellow in the University of Chicago, '93-4.

Department: *Comparative Religion.*

Subordinate Subject: *Philosophy.*

Thesis: *Japanese Phallacism.*

LEWIS, EDWIN HERBERT, A.B., Alfred University, '87; A.M., *ibid.*, '87; A.M. and Ph.D. (in Latin), Syracuse University, '92; Fellow in the University of Chicago, '92-3; Assistant and Tutor in Rhetoric, *ibid.*, '93-4.

Department: *English Language and Literature, and Rhetoric.*

Subordinate Subject: *Greek.*

Thesis: *The Development of the English Paragraph.*

MASTER OF ARTS.

ZARBELL, ADA, A.B., University of Michigan, '92; Graduate Student in the University of Chicago, '93-4.

Department: *Comparative Philology.*

Thesis: *History of the Latin Denominatives.*

BACHELOR OF ARTS.

TAYLOR, JACKSON THOMAS.

BACHELOR OF PHILOSOPHY.

KOHLSAAT, PHILEMON BULKLEY.

BACHELOR OF SCIENCE.

BARNES, SAMUEL DENHAM.

CERTIFICATES.

THE ACADEMIC COLLEGES.

CARAWAY, HENRY REAT.

KLOCK, MARTHA FRANCES.

MOFFAT, WILLIAM EUGENE.

SCHNELLE, FRIEDRICH OSCAR.

SHERMAN, FRANKLYN COLE.

TODD, ELMER ELY.

THE ACADEMY CONVOCATION.*

The Convocation Address, "To-morrow," was delivered by Head Professor Harry Pratt Judson, Dean of the Faculty of Arts, Literature, and Science, in the University of Chicago.

Abstract of Address.

What shall we say of yesterday? It was not so good as to-day. Shakespeare never saw a potato, Luther believed in witchcraft and threw his inkstand at what he believed to be the devil. In Washington's day it took six weeks to cross the ocean and he never saw a railroad or a telegraph line, or a telephone or a sewing-machine. In England at that time over a hundred offenses were punished by death. Some of the clergy, making pastoral calls, drank so copiously at the homes of their parishioners that they could hardly reach their own and no one thought anything of it. Then gentlemen got drunk; now men get drunk, but not gentlemen.

What about to-day? It is characterized by vast moral reform; slavery has disappeared from civilized lands; great advances have been made in the care of the poor, the insane, and the criminals; the work of the Red Cross Society has reached suffering people in every land. Greatest of all, perhaps, is the spread of education, which is now within the reach of everybody.

Again, it is an age of great political reform. One hundred years ago the world was governed by a few people in it; to-day it is governed by itself. England is to-day a great democracy and France a plain republic, while even Austria, aristocratic Austria, the most conservative country in Europe, has learned from military reverses that a man cannot necessarily command an army because his father was a peer of the realm. In Austria, now, a certain period of military service is exacted of all, and promotion depends on merit, not on birth. It is related that an Austrian prince lately found himself serving as a private in an army commanded by a general who had been a peasant on his estate. By chance this army was stationed on the estate of the prince, and he, standing guard at the door of his own residence, saluted the peasant general as he entered to make it his headquarters. This incident may well serve to illustrate the far-reaching democratic tendency of our age.

But what of to-morrow? It will be greater than to-day. "Man never is, but always to be blest." "The prophet is not without honor save in his own country," and I am far enough from the University campus to indulge in a bit of prophecy.

We can now *talk* from Chicago to New York, some day we can *look* from Chicago to New York. Why

not? The idea is certainly not so insane as the prediction of what has already come to pass would have seemed to our grandfathers. We now store up the cold of winter—in the form of ice—and peddle it out in summer. Some day we shall store up the heat of summer and peddle it out in winter. Think how much superfluous heat came down upon Chicago last summer. In the future we shall turn this lavishness of nature to good account in saving coal bills. Some day we shall photograph in colors and have the almost speaking, breathing image of our friends before us. The sources and treatment of disease will be so much better understood that life will be greatly prolonged.

Brutal war will be ended by the consensus of nations. As now the community arrests and brings to trial and punishment the quarrelsome individual, so then, the community of nations will curb the quarrelsome nation. Moral progress of individuals will be hastened by the removal of hindrances to this progress, such as extreme poverty. Further, as this age has advanced in many ways which our grandfathers had never imagined, so the coming age will have advanced in ways unimagined by us.

But that age will have its problems as difficult as ours. There is that great problem of immigration. But the future will solve it just as we have been solving it in the past by the process of assimilation. The digestive apparatus of the country is strong. Just think what different elements it has converted into the blood and bone of American citizenship. What are we? We are everybody. There are the problems of wealth concentrated in the hands of a few, and people concentrated in the cities—the problem of masses—masses of wealth and masses of people. But the future is the "Golden Age" and it will settle them.

What preparation for these problems will be required? Knowledge and mental training that will banish stupidity and crooked thinking. Not blather-skites, but brains and books, will be the need—as now. But we must have self-control, or our knowledge and training will but serve to make more cunning cheats and more skillful forgers. The trained hand, the trained mind, the sound conscience will do the work of the twentieth century.

A final word with you, young men and women. These problems are yours to solve. To-morrow is yours. See that you make it better than to-day. "Look up, not down; look forward, not back; look out, not in, and lend a hand."

CERTIFICATE.

An Academy Certificate was granted to Julia F. Dumke, of Manitowoc, Wisconsin.

* Held at Blake Hall, Morgan Park, Friday, October 5, 1894.

IMPORTANT UNIVERSITY EVENTS.

THE PASTORS' CONFERENCE.

CHAPEL, COBB LECTURE HALL, OCTOBER 1, 10:30 A. M.

On invitation from the University, the Baptist Ministers' Conference of Chicago held its weekly meeting on Monday morning in the *Chapel, Cobb Lecture Hall*. Pastors from outside the city were invited to speak on "*The Mutual Relation of our Churches and our Institutions of Learning*." Rev. J. T. Burhoe, of Ottawa, Ill., and Rev. A. B. Chaffee, of South Bend, Ind., were the principal speakers.

Abstract of Addresses.

MR. BURHOE: Our schools are an outgrowth from our churches. The church has planted the school to help her in the great work of advancing the Kingdom of Christ. Each is helpful to the other in attaining this common end. In the church the youth is converted and licensed to preach; in the school he is trained for service. While thus in process of training, it is the positive duty of the church to see that her own child is fed and clothed, and otherwise aided, so far as it is needful. Our churches need instruction in this matter. When a pastor is needed, they look eagerly and greedily for the very best man they can find, while yet almost devoid of interest in the expensive, toilsome work which fashioned the man they crave. Our schools, on the other hand, sometimes fail to recognize the laws of demand and supply which connect them with the churches. Misfits in clothing are not half so bad as misfits in ministers. A mere bookworm is of no more service than any other useful grub. Training schools have sprung up to meet a real need which our theological schools, sacrificing the practical to the theoretical, did not meet. A pastor ought not to be invisible six days in the week, and incomprehensible on the seventh. The man who goes forth from our schools of learning ought to be as clear in his conception of the great truths of the Bible as he is clear in his recognition of the fact that two and two make four. An institution that is really going to cooperate with the Church of Christ must do its best to expel doubts concerning God's truth, and to establish a clear, strong faith in the Word. The message

must be distinct and clear. The trumpet must utter no uncertain sound.

MR. CHAFFEE: The relation of church and college, or of learning and religion, is seen as we approach their origin and purpose. The church is the organization for the express object of revealing and conserving the truth as it is in Jesus Christ, and in God's Word. The college and learning search and study truth in all of its aspects. To find and express truth is, therefore, the basal purpose of both churches and institutions of learning. There can be on this ground no conflict between science and religion. Both study the expressions of primal truth in nature and revelation. On this ground, also, both cannot be satisfied with anything less than the absolute truth, and, so far as possible, the whole truth. Both are entitled to the largest liberty in seeking truth; both should receive the kindest consideration as being honest in purpose, truthful and candid in expression. Nothing surely can be lost through such treatment. Study and belief cannot be vigorous and be one-sided. We are as a people what we are, with a magnificent history of faith, by reason of the convictions forced by truth in all its absolute and relative expressions. Our churches and schools are therefore mutually related in their search for this desirable treasure.

As we seek the truth, so we expect our preachers to be able to express it. In every place the ministry is called upon to contend against vigorous intellects devoted to error. Our churches expect, then, that the men from our colleges shall come equipped to meet any attack whatsoever against the Bible, that they shall have habits of research to follow the truth wherever it shall lead them.

The relation between church and school is one of confidence, the churches being in sympathy with the rigid investigation of all truth, willing to give men and money to advance true learning, and expecting in return trained men for the ministry, of superior spiritual insight, and of unselfish ambitions.

DIVINITY SCHOOL ALUMNI MEETING.

CHAPEL, COBB LECTURE HALL, OCTOBER 1, 2:30 P. M.

President R. E. Manning, '74, called the meeting to order, and Rev. O. P. Bestor, '76, offered prayer. The

minutes of the last annual meeting were read by the Secretary, Ira M. Price, and approved. The same

officer then presented the financial report of the year, showing a balance in the treasury of \$38.94. This report was adopted. The President appointed C. A. Hobbs, '71, A. W. Clark, '80, and D. C. Henshaw, '92, a committee on nomination of officers for the ensuing year. In lieu of any formal action, the alumni devoted a part of the session to verbal memorial remarks and reminiscences of the life and services of the three members of our body who have died during the past year, viz.: O. B. Clark and A. M. Waxman of class of '76, and B. F. Simpson of '82.

The Committee on nomination reported, and the body elected as officers for 1894-5:

President—H. C. Mabie, '75.

First Vice President—J. W. Weddell, '80.

Second Vice President—E. R. Pope, '85.

Third Vice President—H. J. Powell, '90.

Secretary and Treasurer, Ira M. Price, '82.

Executive Committee { G. S. Goodspeed, '83.
F. J. Gurney, '83.
D. C. Henshaw, '92.

By formal vote the alumni expressed their approval of this season of the year as a suitable time for the annual meeting.

IRA M. PRICK, *Secretary*.

CONFERENCE ON SOCIOLOGY IN THE DIVINITY SCHOOL.

CHAPEL, COBB LECTURE HALL,

TUESDAY, OCTOBER 2, 10:00 A.M.

THE REV. C. A. HOBBS, D.D., of Delavan, Wis., read a paper on "*Social Service of Pastors in Rural Communities*." The keynote of the paper was seeking; seeking to find new revelations of truth, and profiting by them when found. The key of the Christian life is not that it has always found the true way, but is seeking to find. The country is coming to have greater relative importance. Pastors in rural communities have fields of great usefulness. A description was given of the transformation of a rude and degraded neighborhood by the wise and tactful social service of a pioneer minister fifty years ago. The church is waking to its new duties. Joshua, in a critical hour, lifted up his eyes and saw the angel of Jehovah ready to conduct the chosen people. If we look to God, we shall find safe leadership in the spirit of our Lord.

THE REV. O. O. FLETCHER, D.D., of Ithaca, N. Y., spoke on "*The Organization of the Church for Mission Work*." Christ invites men to himself that he may set up his kingdom in them and God's kingdom in the world through them. The church is a means; the end is the kingdom. He who says "Come unto me," also says "Go unto them." Christ has given himself for the world; we are to give him to the world. The mission spirit is as normal as the spirit of worship, and it may be developed. The mission work of the church is to secure the culture and development of this spirit.

The pastor's interest is assumed. Regnant in him the mission spirit will organize the church, though not all its members at once. The Holy Spirit has rule; present organization is utilized, needful further organization follows. I have no elaborate plan. We

should utilize what we have: the church, its official boards, committees, preaching and prayer services, Sunday School, Women's Mission Circle for study and prayer, Junior and Young People's Societies, and the larger societies formed by associations of churches. When we have worked these to the full we may organize further.

These all may be used for the *culture* of the mission spirit. The public worship, the prayer meetings, the Sunday School, preach Christliness. Christliness yearns to help. The pulpit is set to build up Christian life as well as to call men to Christ. Prayers, under such preaching, will be more intercessory for others and less self-seeking. Prayer meetings often lack vitality because they lack instruction.

As to method and facts: we need a more exhaustive study of these in special university research, and more instruction in the divinity schools. Scholarships and fellowships are needed to provide for more special inquiry and publication.

Already there are many valuable volumes for the people. The Bible itself is full of missionary facts and teachings. Modern missions are prolific in heroic and inspiring examples. Such materials give freshness and power to sermons.

The missionary prayer meeting is a matter of course; but its manner should be out of course—fresh, crisp, short talks by persons prepared, short, fervent prayers. Mission circles should impart information and quicken devotion. Missionary societies must first give information and inspiration, then they will get money. Every Junior Society should be a mission band; every Young People's Society a missionary guild. The publications of the B. Y. P. U., and the Missionary Union furnish material. Sunday school

and church should have a missionary committee, not for honor but for service.

Expression follows such culture. The Missionary Spirit must utter itself or die. Mission work for city, nation, and the world must be urged on unselfish grounds, not on selfish, secular, or denominational grounds, purely to help the Christless ones. Local work should be church and not individual work, and missions should be led toward self-support and self-control.

For work at a distance our great national societies are adequate organs. They aid the churches to gather means and select men. But the local Church must see that all its members contribute not "leavings," but first fruits, and this requires a simple, elastic, but efficient, method of instruction and collection, and demands a constant life of intelligent love and devotion.

ASSOCIATE PROFESSOR C. R. HENDERSON, after reading thirteen letters from alumni who could not be present, spoke upon these points: The enlargement of the field of social studies is not a sudden act, but a natural development from the past. Sociology as a science is largely the product of the labors of unbelieving men. But it is an instrument of great value in the hands of Christian men. Selfishness is the essence of sin. The essence of God is love, justice, righteousness. He is revealed in Jesus Christ. Our business is to live the Christ life over again. Christian beneficence has never ceased in history, though it has taken many forms according to the needs of each time and people. The systematic study of human society is helpful to the understanding of the Bible; it illuminates the sacred page. The revelation of the divine character and will is made in the form of history and laws given to families, peoples and churches, social institutions. Christian theology is the systematic statement of the biblical truths. Its fundamental principle is that God is holy. Theology shows the logical development of what is involved in the ethical

character of God. Hence Dr. Northrup introduced social studies into the theological seminary at Morgan Park. He was a pioneer and prophet. Not content with a system of abstract propositions, he showed that one who loved God will seek the best way of doing good to men. We are simply moving in the direction which he pointed out. Church history unfolds the process by which these ideas of divine goodness took shape in social life. It brings us to sociology as the study which reveals history in the making. History reveals the nature of Christianity by contrast with the errors and crimes of men, and by exhibiting the charities of the Christian life. The department of pastoral training is the place where sociology comes into closest contact with the divinity school. The pastor as preacher, leader of discipline, guide of conscience, inspirer of good works, living exponent of Christian love, needs to get the clue to the complex relations of contemporary society. Thus the introduction of social studies into the college and professional course is the natural and legitimate outgrowth of biblical, theological, historical, and professional discipline. We do not propose to teach men to talk on all sorts of subjects, to play the charlatan and pretender; but we do seek to give pastors a method of study which will enable them to apply the teachings of the Gospel to the consciences of men, and to enable them intelligently to do their part as inspirers and counselors of the great and beneficent work of Christian communities. Christian teaching is essentially missionary. It impels us to give ourselves to missions if we can; to give our money when we cannot go; and to give our personal service among our neighbors. This department seeks to give actual discipline in beneficent and missionary labors here in our great and needy city, and such efforts at loving service must tend to direct the attention and sympathies of students toward the mission fields of our frontier and abroad. These are our principles, our ideals, and our purposes. We ask for your fraternal counsels, your criticism and your prayers.

MEMORIAL SERVICE.

THEATRE, KENT CHEMICAL LABORATORY.

TUESDAY, OCTOBER 2, 3:30 P.M.

A memorial service was held in tribute to the memory of the late Dr. Ezekiel G. Robinson, at the time of his death Professor of Ethics and Apologetics in the University of Chicago, and of Benjamin F. Simpson, Assistant Professor of Systematic Theology in the Divinity School. Addresses were delivered by the Rev. H. L. Wayland, D.D., of Philadelphia, Pa., Dr. T. W. Goodspeed, and Head Professor George W. Northrup, D.D., LL.D., of the University. These addresses are printed in full in *The Standard* of October 4, 1894.

The following resolutions, drawn up by committees, were read first at called meetings of the two Faculties, and then in connection with the memorial service:

Memorial Resolution on Professor Ezekiel G. Robinson, D.D., LL.D.

The Faculty of Arts, Literature, and Science of the University of Chicago, having heard, with deep sorrow, of the death of their honored colleague, Ezekiel Gilman Robinson, desire to make permanent record of their high appreciation of his rare character as a man, of his distinction as an educator, of his abilities as a philosopher and a theologian, and of his zeal as a Christian.

Coming among us after he had already grown old in the service of education and religion elsewhere, it was not strange that, by his unusual qualities of mind and heart, he at once inspired respect in all and won the affection of those whose privilege it was to enjoy his companionship.

In his death the University and the community suffer a grave loss—a loss which is, however, tempered by the reflection that, in his long and fruitful life, he has left behind him a rich and enduring legacy.

It was voted that the resolution be spread upon the minutes, and that a copy be sent to Mrs. Robinson.

Memorial Resolution on Assistant Professor Benjamin F. Simpson.

The Rev. Benjamin F. Simpson has been connected with the Divinity School as student, as pastor of the Church at Morgan Park, as lifelong friend, and finally as an instructor. Thus much of his life work has been interwoven with the history of this institution.

We desire to place on record, so far as words can express our convictions, our sense of appreciation.

Those who knew him best were impressed with his candor, his earnestness, his deep and patient purpose, his intellectual hospitality for new truth, his fidelity to the fundamental verities of Christianity.

As a preacher he avoided all appearance of false sensationalism, and sought to instruct, inform, and persuade his hearers. In his written papers he manifested a sincere soul, moved by a distinct purpose, to see and show things as they are. As a teacher he sought, and with a high degree of success, to emphasize the vital phases of theology, to avoid mere phrase-making, and to shape in the minds of students a clear and consistent method of independent reasoning. As a counsellor he was serious, careful, prudent, and safe, and his judgments were characterized by entire fairness and friendly purpose.

In all his conduct, in all relations, he sought to bring his thoughts and ways under the law of Jesus Christ, of whom he was a pure and sincere follower.

It is vain to try to estimate the amount and value of the service of such a life. His labors for mankind have become a part of the life of thousands, hidden away in their hearts and deeds. He wrought more for duty than for praise, and the fruits of effort, recognized by parishioners, friends, and students, will be gathered in that blessed world to whose happiness and glory he has been so early called.

To those who mourn him in the intimate sanctities of domestic life, we offer our sincere and loving sympathy. May the consolations of the Glad Tidings which he preached be the balm of their hurt minds, and may the Heavenly Father, who alone can comfort, cheer and bless them under the passing clouds of their earthly sorrow.

ANNUAL MEETING OF THE EDUCATION SOCIETY.

CHAPEL, COBB LECTURE HALL.

WEDNESDAY, OCTOBER 3, 10:00 A.M.

The principal topic discussed at the meeting of the Education Society and conference of the alumni and visiting clergymen was: "*The Ministerial Training now demanded and the Ways and Means of attaining it.*"

Addresses were made by the Rev. Frederick Evans, D.D., of Milwaukee, Wis.; Head Professor Galusha Anderson; Rev. E. H. Lovett, of Davenport, Ia.; Rev. L. A. Clevenger, Oshkosh, Wis.; Rev. G. L. Morrill, of Minneapolis, Minn., and President Harper. The Rev.

L. D. Temple, of Lansing, Mich., also forwarded a paper to be read in his absence.

Abstract of Addresses.

DR. EVANS:

The ministry is not a mere profession. The lawyer cannot say, "Woe is me if I practice not law;" or the physician, "Woe is me if I dispense not pills and drugs," but the man called to declare the whole counsel of God must say: "Woe is me, if I preach not the Gospel." The importance of ministerial education is

admitted by all. Higher education has come to stay. It is becoming more and more general. The doors of our educational institutions swing open to the many. There was a time when the learned ministry fell short of the power, fire, and mighty influence that characterized the uneducated ministry in many places. That was the time of ignorance in the pew. But the pew is no more ignorant. Students for the ministry should take a regular university course. To this they should add full theological training. They should be able to read the New Testament in the Greek, and the Old Testament in the Hebrew. I believe in textual preaching. I believe that the sermon should be the text unfolded. Therefore I believe that it is of the utmost importance that young ministers should be able to read the Scriptures in the tongues in which they were written, and be perfectly acquainted with the English Bible. Ministerial training, to meet the demands of this age, must in quality be most excellent, and in quantity most liberal. To get such training, most ministerial students must be provided with the silver key which will unlock for them the doors of the university and the theological school. When a church believes that a young man, one of its members, is called to the ministry, and is licensed to preach, this same church should, to the very best of its ability, aid him, if necessary, in a pecuniary way. If the church is too weak to aid him, then the Education Society must come to the rescue. This means that the Society should come into very close touch with the churches.

HEAD PROFESSOR GALUSHA ANDERSON discussed the following propositions:

1. A certain general preparation is needed by the ministry, and has been during all the ages of the Christian Church, viz.: the discipline which enables one to think clearly and consecutively and to express his thoughts in perspicuous language.

2. The ministry at all times has needed, and now needs, special preparation for its work. (a) The ministry needs to understand thoroughly the general contents of every book of the Bible. (b) Pastors should be instructed in all the details of pastoral duties. (c) They need the special anointing of the Holy Spirit.

3. The preparation for our times should be (a) a mastery, so far as it is possible, of the present forms of skepticism, and a careful study of the best methods of meeting this skepticism, on its own grounds, by the truths of the gospel. (b) A thorough study should be given to economic problems and the attitude which a Christian pastor ought to hold towards them. (c) He should study the work and methods of the insti-

tutional church, and be prepared to adopt them so far as the exigencies of any community where he is settled may demand them.

MR. LOVETT :

We are really finding out that the one thing that we do not need is a crowd of warm-hearted enthusiasts who will not learn and cannot teach. Success in any calling is the result of practical devotion and the adaptation of means to the end in view. Men trained to succeed is what we must have; men who go at things and bring things to pass. Our work must not be artistic, but the wielding of a specific force for a definite object. God never does anything for humanity without taking a man into the partnership. He calls me because he wants a man; I am, then, to make myself as much of a man as possible. We need the best. When God would send a great movement he calls a Moses or a Paul—men of the broadest and completest culture. Study of the Word of God is of prime importance. The minister is a teacher of the Scriptures. He should know analytically and thoroughly every chapter and verse and sentence of this Book. I declare to you in faith that the Word of God has nothing to fear, but everything to gain, from being thoroughly known,—I had almost said, criticised. But along with the study of the Word should go the cultivation of the spiritual life. How can we preach Christ unless we know him? The sweetness of heaven and the light of God do not come through mere eloquence. Let there be critical study of the Scriptures. Let there be devotional study also. I have confidence that the future ministry given us by such schools as this will be such as the times need. Moses was a man learned in all the wisdom of the Egyptians, a man mighty in word and deed. May God give us many like him, possessing the wisdom of Egypt and the power of God.

MR. TEMPLE :

The ministerial office is prophetic. Ministerial labor is both constructive and dynamic. Considered historically, there have been three conceptions of training for ministerial service: the Monastic, the Seminary, and the Gymnasial. Neither of the methods thus suggested is adequate to secure the ministerial training now demanded. The needed culture must have a mystical element. A high degree of spiritual power in the churches is of first importance. The minister must come to know God, must be a man of prayer, must secure that mysterious, elusive power which is the special gift of God's Spirit. The desired training must also have a practical side. The minister must learn by experience among men how to reach and

move men. Students should do some mission work in connection with their study. This training must likewise include intellectual culture, must give him a mind well disciplined and well stored. A full course in one of the best colleges should be taken, if possible. The college should be Christian, but one where the spirit of inquiry is most catholic. Systematic theology should have first place in the divinity school. Biblical theology also should be taught, especially in its relations to all living questions touching industrial, social, and political life. The proper training for one age is the proper training for any age. Yet ours is a critical period, and demands the broadest and the best.

MR. MORRILL, having as his special theme "*The Need of Musical Training in the Ministry*," made the following remarks:

Music is the oldest of the arts, and superior to others in the direct expression of emotions, not only of festal joy and military enthusiasm, but also of religious worship. It is the breath of Christianity, whether its notes be voiced by nature, instrument, or human lips. Music is an invaluable aid to the minister in respect to society, Sunday service, and reaching the masses. Musically, we may be all things to all

men and win some to Christ. There are times when the minister should be half piano or organ. He should have sufficient knowledge of music and interest in his choir to know whether during the week it has been worldly, if not wicked; has thought more of dancing than of doctrine, of euchre than the Eucharist, and intends to conclude his appeal to the unsaved with snatches from Faust or Somnambula. He should be able to strike the right key and lead the singing in a prayer meeting, and should never forget that the power of song lies in the words and associations, as well as in the music.

Music is the one language which Babel left unfounded. No ministerial student can afford to be ignorant of what comes to the soul as words do to the mind, bringing it into harmony with the principles and precepts of Christianity, whose empire of music goes beyond the grave. Every divinity school should have a chair of music, to teach its students to make the most of themselves along the line of what on earth is an expression of faith in God, hope for humanity, and love for Christ, and in heaven is merged into the hallelujah chorus whose soprano is grace, whose bass is the righteousness of God, whose tenor is mercy, and whose alto is peace.

THE THEOLOGICAL UNION.

The Annual Meeting of the Baptist Theological Union was held on Tuesday evening, October 2, at 7:30 o'clock, in the *Immanuel Baptist Church*, the address of the occasion being delivered by the Reverend J. L. Jackson, D.D., of Grand Rapids, Michigan. "*Liberty and Loyalty*" was the speaker's theme. The following is an abstract of his address:

Some time ago in one of our denominational papers was an editorial entitled "The Theological Margin." It put the question whether the time had not come when there must be conceded to Bible students a margin for free and open inquiry. It asked whether the authors of the Westminster Confession had spoken the very last word, and for all time the authoritative word, upon such doctrines as that of the divine sovereignty in human salvation, or that of elect infants. We might truly say that without this margin for investigation there would be little opportunity for thoughtful men to serve their age. It is only by freely granting this margin that we can hope to retain the loyal services of such men. Indeed it will not be difficult to show that liberty is the condition of loyalty—that where there is no liberty there is no loyalty worth the name—that in proportion as the defenders

of truth gain such confidence in the strength of their cause that they can safely grant the largest liberty they will be rewarded by the most unswerving loyalty. We know that for centuries it seemed, even to good men, that the only way to maintain the purity of faith was to destroy heretics. It never seemed to them that the truth was strong and was able to defend itself. Happily, the religious world has at last learned its lesson. We maintain the right of every man to hold his own religious opinions without molestation. Between the policy of Calvin to burn heretics and that of Roger Williams to give them shelter, today universal Protestantism chooses the latter. We have found that religious freedom is the foundation and surety of a pure Christianity. The disadvantages to the Christian religion through its division into numerous sects is outweighed in the liberty thus given to all to teach and to hold truth as the enlightened conscience has received it. Intelligent people outside the church frequently express their surprise at the steady growth and prosperity of the Baptist churches in this country. The key to our problem is loyalty to Bible teaching and liberty in Bible interpretation. Baptists have no credal statement

We have Articles of Faith, but they are not authoritative. Our congregational church polity has been to us a bulwark of liberty. We never needed the services of the heresy-hunter. Give a man freedom and he finds his place. Truth draws her own lines, and liberty executes her will with unerring exactness. In this Baptist denomination to which we belong there is room for men who do not agree on many questions, so long as they bind themselves together by the great truths which have been committed to us to preach and practice.

VISITING MINISTERS IN ATTENDANCE AT THE OCTOBER CONVOCAATION.

H. L. Wayland, D.D., Philadelphia, Pa.
 G. C. Lorimer, D.D., Boston, Mass.
 W. W. Everts, Haverhill, Mass.
 O. O. Fletcher, D.D., Ithaca, N. Y.
 President D. B. Purington, LL.D., Granville, Ohio.
 A. B. Chaffee, South Bend, Ind.
 D. Heagle, D.D., Valparaiso, Ind.
 W. T. Van Cleave, Delphi, Ind.
 J. L. Jackson, D.D., Grand Rapids, Mich.
 A. E. Kitchen, Three Rivers, Mich.
 R. E. Manning, Detroit, Mich.
 J. W. Ashby, Chicago.
 A. M. Bacon, Chicago.
 F. Berry, Pullman.
 E. H. Brooks, Aurora.
 R. C. Bryant, Wheaton.
 M. W. Buck, Dundee.
 J. T. Burhoe, Ottawa.
 E. C. M. Burnham, Wheaton.
 J. W. Cabeen, Chicago.
 E. C. Cady, Rozetta.
 C. K. Colver, Chicago.
 D. H. Cooley, D.D., Morgan Park.
 J. M. Coon, Englewood.
 L. A. Crandall, D.D., Chicago.
 F. G. Davies, Streator.
 H. A. Delano, Evanston.
 G. Frederick, D.D., Englewood.
 W. D. Fuller, Morgan Park.
 J. R. Gow, Hyde Park.
 M. W. Haynes, D.D., Englewood.
 Charles Henry, Chicago.

P. S. Henson, D.D., Chicago.
 Thomas Howland, Chatsworth.
 D. C. Hughes, Lexington.
 A. C. Kelly, South Chicago.
 W. C. Mac Naul, Chicago.
 B. F. Martin, Berwyn.
 George McGinnis, Lawndale.
 J. F. Mills, Urbana.
 D. T. Morrill, D.D., La Grange.
 A. K. Morrill, La Grange.
 E. A. Orr, Chicago.
 A. K. Parker, D.D., Chicago.
 C. Perrin, Ph.D., Chicago.
 I. W. Read, Chicago.
 E. K. Reynolds, Deer Creek.
 W. B. Riley, Chicago.
 W. L. Riley, Fairbury.
 F. H. Rowley, Oak Park.
 H. O. Rowlands, D.D., Chicago.
 J. A. Smith, D.D., Morgan Park.
 T. L. Smith, Chicago.
 E. A. Stone, D.D., Champaign.
 M. C. Stonecipher, East Lynn.
 O. W. Van Osdel, D.D., Galesburg.
 W. M. Walker, Elgin.
 J. K. Wheeler, Chicago.
 Geo. R. Wood, Joliet.
 O. P. Bestor, Evansville, Wis.
 L. A. Clevenger, Oshkosh, Wis.
 Frederick Evans, D.D., Milwaukee, Wis.
 J. J. Gorham, Hudson, Wis.
 H. Happell, Baraboo, Wis.
 C. A. Hobbs, D.D., Delavan, Wis.
 Joseph Mountain, Albany, Wis.
 M. A. Packer, Millard, Wis.
 C. N. Patterson, Whitewater, Wis.
 W. B. Stubbett, Clinton, Wis.
 E. W. White, Milwaukee, Wis.
 G. L. Morrill, Minneapolis, Minn.
 J. A. Lapham, Osage, Ia.
 E. H. Lovett, Davenport, Ia.
 E. H. Sawyer, D.D., Kirkwood, Mo.
 L. D. Osborn, Elgin.
 J. P. Thoms, LL.D., Chicago.
 H. J. White, Joliet.
 A. W. Clark, Omaha, Neb.

UNIVERSITY EXTENSION CONFERENCES.

JULY 26 AND SEPTEMBER 8.

The first midsummer University Extension Conference was held Thursday, July 26, in the *Lecture Room of Cobb Lecture Hall*. The attendance was unex-

pectedly large. Addresses were made by President Harper on "University Extension Affiliation," Dr. Shepardson on "The University Extension Idea," and

Associate Professor Thatcher on "Correspondence Study." The central idea of the conference was to interest the instructors from colleges and secondary schools who were present at the Summer Quarter, with a view to securing their individual and academic cooperation in furthering the cause of University Extension. The purpose of the conference seemed to be accomplished, so far as arousing the interest of those present was concerned. Some suggestions were made toward the furtherance of the idea of University Extension Affiliation.

Another University Extension Conference was held on Saturday afternoon, September 8, in the assembly hall of the *Young Men's Christian Association*, 153 La Salle street, Chicago. President Harper opened the conference. He dwelt upon the fact that the University of Chicago exists for the benefit of the people of Chicago, and that this end is to be attained not only through the admission of students to residence, but also through the extension of the educational activities of the University throughout the city. He pointed out that the special aim of this conference was the setting forth of what can be done to further this aim through the organization of classes in different parts of the city and suburbs.

President Harper then placed the meeting in the hands of Associate Professor Butler, the Director of the University Extension Division. Professor Butler

gave a brief account of the recent University Extension Congress in London, and pointed out the importance that University Extension has assumed in England, as shown by the eminence of the men who took part as leaders in the sessions of the congress. The speaker further dwelt upon the importance of entire clearness as to aims and methods of University Extension work on the part of promoters, instructors, and students.

Mr. E. W. Clement spoke of the work from the point of view of one who has been engaged in it as a student. Mr. Clement had received instruction in classes conducted by Head Professor Hale and Assistant Professor F. J. Miller. He spoke with enthusiasm of the opportunities and advantages offered to students who cannot reside at the University.

Mr. Charles Zeublin spoke of the general aspects of the Extension movement; after which Mr. Jerome H. Raymond, Secretary of the Class-study Department, spoke in detail of the plans and prospects of that department of University Extension work for the coming season. Much interest in this phase of the work was manifested by numerous and pertinent questions asked by members of the audience. Thanks were voted on behalf of the University of Chicago and the audience present, for the courtesy extended by the *Young Men's Christian Association* in permitting the use of their assembly room for this conference.

[See the *University Extension World*, October, 1894, 63-80.]

GENERAL MEETINGS OF ALL DIVISIONS OF THE UNIVERSITY, JULY-SEPTEMBER.

CHAPEL, COBB LECTURE HALL, MONDAYS, AT 12:30 P.M.

During the Summer Quarter general meetings were held on Mondays, instead of the usual weekly meetings of the several divisions of the University, as follows:

- July 16. PROFESSOR BENJAMIN S. TERRY, *A Restatement of some old Principles of Education.*
- July 30. PRESIDENT W. R. HARPER, *Some of the Aims of the University.*
- August 27. DR. EDWIN O. JORDAN, *The Study of Biology.*

OFFICIAL ACTION OF THE BOARD OF TRUSTEES.

By order of the Board of Trustees, after January 1, 1895, undergraduate and unclassified students taking a fourth course will be charged an additional tuition fee equal to one-third the regular tuition fee.

The University (Proper.)

DIRECTORY OF OFFICERS, INSTRUCTORS, AND FELLOWS IN ALL DEPARTMENTS OF THE UNIVERSITY.

ABBREVIATIONS:—B=Beecher Hall; D=Divinity Dormitory; F=Nancy Foster Hall; G=Graduate Dormitory; K=Kent Chemical Laboratory; Kl=Kelly Hall; R=Ryerson Physical Laboratory; Sn=Snell Hall; W=Walker Museum.

A, B, C, D, in parentheses, refer to the floors of Cobb Lecture Hall.

Numerals indicate the numbers of recitation rooms for the Winter Quarter.

ABBOTT, FRANK FROST,* <i>Prof. and Examiner.</i> (B. 2-8)	BOYD, JAMES HARRINGTON, <i>Tutor.</i> (R. 36)	357, 58th st.
ALDEN, G. H., <i>Fel.</i>	BOYER, E. R., <i>Fel.</i>	536, 61st st.
ANDERSON, GALUSHA, <i>Head Prof.</i> (D. 7)	BRAINARD, HARRIET C., <i>Hon. Fel.</i>	1301 Wabash av.
ANDERSON, KATE, <i>Tutor.</i> (Gymnasium)	BRAYTON, WILLIAM B., <i>Trustee.</i>	Blue Island.
ANGELL, JAMES R., <i>Assist. Prof.</i> (R. 33)	BREASTED, JAMES H., <i>Assist.</i> (D. 12-16)	Cairo, Egypt.
ARNOLT, W. MUSS-, <i>Instr. and Assist. Rec.</i> (D. 16)	BRODE, HOWARD S., <i>Fel.</i>	804, 64th st.
ATKINS, E. C., <i>Trustee.</i>	BRONSON, FRANK M., <i>Assist. Prof.</i>	Morgan Park.
AUSTIN, R. H., <i>Trustee.</i>	BROWN, GEORGE L., <i>Fel.</i>	5709 Drexel av.
BAILEY, JOSEPH M., <i>Trustee.</i>	BUCK, CARL D., <i>Assoc. Prof.</i> (B. 4)	6041 Oglesby av.
BARRETT, STORRES BARROWS, <i>Fel.</i>	BULKLEY, JULIA E.,* <i>Assoc. Prof. and Dean.</i> 23 Friestrasse, Zürich, Switzerland.	
BARROWS, JOHN HENRY, <i>Prof. Lect.</i> (D. 16)	BURGESS, ISAAC BRONSON, <i>Assoc. Prof.</i>	Morgan Park.
BAUR, GEORGE, <i>Assist. Prof.</i> (W. 3d floor)	BURNHAM, S. W., <i>Prof.</i> (R.)	3647 Vincennes av.
BEMIS, EDWARD W., <i>Assoc. Prof.</i> (A. 5)	BURTON, ERNEST D., <i>Head Prof.</i> (D. 15)	Hotel Barry.
BERGERON, EUGÈNE, <i>Assist. Prof.</i> (B. 16)	BUTLER, NATHANIEL, <i>Assoc. Prof. and Director</i> <i>of University Extension Division.</i> (A. 5)	5625 Monroe av.
BERNHARD, ADOLPH, <i>Assist.</i> (K.)	CALDWELL, ERNEST L., <i>Instr.</i>	Morgan Park.
BLACKBURN, FRANCIS ADELBERT, <i>Assist. Prof.</i> (D. 9)	CALVERT, GEORGE C., <i>Fel.</i>	6009 Ellis av.
BLAKE, E. NELSON, <i>Pes. of Trust. of Theol. Union.</i> Arlington, Mass.	CAPPS, EDWARD,* <i>Assist. Prof.</i> (B. 2-8)	Munich, Germany.
BOARDMAN, GEORGE DANA, <i>Prof. Lect.</i>	CARMAN, GEORGE NOBLE, <i>Assoc. Prof. and Dean.</i>	Morgan Park.
BOISE, JAMES ROBINSON, <i>Prof.</i> (D. 11-12)	CARPENTER, FREDERIC IVES, <i>Hon. Fel.</i>	5515 Woodlawn av.
BOLZA, OSKAR, <i>Prof.</i> (R. 38)	CASTLE, CLARENCE F., <i>Assist. Prof.</i> (B. 7)	5440 Monroe av.
BOWEN, CHARLES C., <i>Trustee.</i>	CATTERALL, R. C. H., <i>Reader.</i> (C. 7 and 8)	438, 57th st.
BOWEN, MARY, <i>Fel.</i>		

* On leave of absence.

CHAMBERLIN, THOMAS CHROWDER, <i>Head Prof. and Director of the Museums.</i> (W.)	5041 Madison av.	FERTIG, JAMES W., <i>Fel.</i>	5722 Kimbark av.
CHANDLER, CHARLES, <i>Prof.</i> (B. 5 and 7)	5731 Monroe av.	FOWLER, FRANK HAMILTON, <i>Fel.</i>	5810 Drexel av.
CHAPMAN, JOHN H., <i>Trustee.</i>	136 West Washington st.	FRANCE, WILMER C., <i>Fel.</i>	26 F.
CHASE, CHARLES W., <i>Dir. Univ. Press.</i> (A. 3)	438, 57th st.	FREUND, ERNST, <i>Instr.</i> (C. 10)	Hotel Barry.
CHASE, WAYLAND JOHNSON, <i>Instr.</i>	Morgan Park.	GIFFORD, O. P., <i>Trustee.</i>	4543 Greenwood av.
CHILD, CHARLES M., <i>Fel.</i>		GILBERT, EMMA LARGE, <i>Fel.</i>	27 B.
CLAPP, CORNELIA M., <i>Fel.</i>	3154 Prairie av.	GILLESPIE, WILLIAM, <i>Fel.</i>	351, 58th st.
CLARK, S. H., <i>Instr.</i> (K. Theatre)	Vermont apartments, 51st boul.	GOLDTHWAITE, NELLIE E., <i>Fel.</i>	38 F.
COFFIN, FULTON J., <i>Fel.</i> (D. 16)	23 G.	GOODMAN, EDWARD, <i>Trustee.</i>	4406 Ellis av.
CONGER, CHARLES T., <i>Assist.</i> (C. 9)	21 G.	GOODSPEED, GEORGE STEPHEN, <i>Assoc. Prof.</i> (D. 16)	Hotel Barry.
COOKE, ELIZABETH, <i>Fel.</i>	Non-resident.	GOODSPEED, THOMAS W., <i>Secretary of Trustees.</i> (A. 7)	5630 Kimbark av.
CORNISH, ROBERT H., <i>Assist. Prof.</i>	Morgan Park.	GORDIS, W. S., <i>Fel.</i>	5620 Ellis av.
CORTHELL, ELMER L., <i>Trustee.</i> 37 Bellevue pl.; 184 La Salle st.		GORDON, CHARLES H., <i>Fel.</i>	6046 Washington av.
COULTER, JOHN M., <i>Prof. Lect.</i> (W. 3d floor)	Lake Forest.	GRANT, JOHN C., <i>Dean, Kenwood Institute.</i>	2011 Michigan av.
CRANDALL, CLARK EUGENE, <i>Instr.</i> (A. 5)	5455 Monroe av.	GROSE, HOWARD BENJAMIN, <i>Assist. Prof., Rec. and Registrar.</i> (A. 1)	5620 Ellis av.
CRANDALL, REGINA K., <i>Fel.</i>	45 B.	GUNDERSEN, H., <i>Assist. Prof.</i>	7700 Wallace st., Auburn Park.
CROW, MARTHA FOOTE, <i>Assist. Prof.</i> (D. 2)	2970 Groveland av.	HALE, GEORGE E., <i>Assoc. Prof.</i> (Kenwood Observatory)	4545 Drexel boul.
CURTISS, RICHARD S., <i>Docent.</i> (K.)	2545 Indiana av.	HALE, WILLIAM GARDNER, <i>Head Prof.</i> (B. 2 and 8)	5833 Monroe av.
CUTLER, SUSAN RHODA, <i>Fel.</i>	438, 57th st.	HAMILTON, D. G., <i>Trustee.</i>	2929 Michigan av.
CUTTING, STARR W., <i>Assoc. Prof.</i> (B. 9 and 10).	5606 Ellis av.	HAMMOND, THEODORE M., <i>Steward.</i>	6150 Wharton av.
DAHL, OLAUS, <i>Lecturer.</i> (A. 5; B. 9 and 10)	15 G.	HANCOCK, HARRIS, <i>Assist.</i> (R. 35-40)	5714 Kimbark av.
DAINS, FRANK B., <i>Fel.</i>	5759 Madison av.	HARDING, WILLIAM F., <i>Fel.</i>	5816 Washington av.
DAVIS, WALTER S., <i>Fel.</i>	5722 Kimbark av.	HARDY, SARAH McLEAN, <i>Fel.</i>	6023 Ellis av.
DAY, WILLIAM H., <i>Fel.</i> (non-resident.)	Oxford, England.	HARPER, ROBERT FRANCIS, <i>Assoc. Prof.</i> (D. 12-16)	Hotel Barry.
DEWEY, JOHN, <i>Head Prof.</i> (C. 14)	5418 Greenwood av.	HARPER, WILLIAM RAINEY, <i>President.</i> (A. 9)	5657 Washington av.
DICKSON, LEONARD E., <i>Fel.</i>	5515 Woodlawn av.	HEIDEL, WILLIAM A., <i>Fel.</i>	5488 Ellis av.
DIXSON, ZELLA A., <i>Assist. Libr.</i> (General Library.)	The Geneva, 57th st.	HEIM, EPHRAIM M., <i>Fel.</i>	5727 Kimbark av.
DONALDSON, HENRY HERBERT, <i>Prof. and Dean.</i> (K. 14; 42)	5428 Monroe av.	HENDERSON, CHARLES RICHMOND, <i>Assoc. Prof. and Chaplain.</i> (C. 11)	51, 53d st.
ELLERMAN, FERDINAND, <i>Assist.</i> (R.)	5729 Kimbark av.	HENRY, WILLIAM E., <i>Fel.</i>	5515 Woodlawn av.
ERICKSON, FRANK M., <i>Fel.</i>	6461 Myrtle av.	HENSON, P. S., <i>Trustee.</i>	3249 S. Park av.
EVYCLESHYMER, ALBERT C., <i>Assist.</i> (K. 37)	223, 54th st.	HERRICK, ROBERT WELCH, <i>Instr.</i> (D. 1)	5747 Lexington av.
FELSENTHAL, ELI B., <i>Trustee.</i>	472, 47th st.	HESSE, BERNHARD CONRAD, <i>Fel.</i>	5620 Ellis av.

HEWITT, C. E., <i>Financial Secretary.</i> (A. 4)	5535 Lexington av.	LA MONTE, LILLIAN, <i>Fel.</i>	31 F.
HILL, WILLIAM, <i>Instr.</i> (C. 3 and 5)	16 G.	LAUGHLIN, J. LAURENCE, <i>Head Prof.</i> (C. 3)	5747 Lexington av.
HINCKLEY, FRANCIS E., <i>Trustee.</i>	Lake Forest.	LAVES, KURT, <i>Reader.</i> (R. 35)	5630 Ingleside av.
HIRSCH, EMIL G., <i>Prof.</i> (D. 13)	3612 Grand boul.	LAWRENCE, WILLIAM M., <i>Trustee.</i>	492 W. Monroe st.
HOBBS, GLEN M., <i>Tutor.</i> (R.)	5625 Monroe av.	LENGFELD, FELIX, <i>Instructor,</i> (K. 20)	5515 Woodlawn av.
HOLDEN, W. H., <i>Trustee.</i>	500 W. Monroe st.	LEWIS, EDWIN H., <i>Tutor.</i> (D. 7)	6032 Ellis av.
HOLMES, WILLIAM H., <i>Prof.</i> (W.)	87 Potomac av.	LINGLE, DAVID J., <i>Instr.</i> (R. 36)	477, 56th st.
HOLST, HERMANN EDUARD VON, <i>Head Prof.</i> (C. 7 and 9)	255 E. 61st st.	LINSOOTT, HENRY FARRAR, <i>Fel.</i>	4000 Drexel boul.
HOOVER, WILLIAM, <i>Assist. Prof.</i> (A. 5)	Athens, Ohio.	LOCY, WILLIAM A., <i>Fel.</i>	Lake Forest.
HOPKINS, THOMAS CRAMER, <i>Fel.</i>	6149 Woodlawn av.	LOEB, JACQUES, <i>Assist. Prof.</i> (R. 34 and 38)	6460 Oglesby av.
HOURLWICH, ISAAC A., <i>Docent.</i> (C. 7 and 9)	1330 Unity Building.	LOVETT, ROBERT MORSS, <i>Instr.</i> (D. 8)	17 Sn.
HOWLAND, GEORGE C., <i>Instr.</i> (B. 12 and 13)	5735 Washington av.	MALLORY, HERVEY FOSTER, <i>Fel.</i>	Keene Hotel.
HOXIE, ROBERT F., <i>Fel.</i>	5727 Kimbark av.	MANN, CHARLES W., <i>Dean, Chicago Academy.</i>	786 W. Jackson st.
HULBERT, ERI BAKER, <i>Head Prof. and Dean.</i> (D. 2-7)	Hotel Barry.	MASCHKE, HEINRICH, <i>Assist. Prof.</i> (R. 35-40)	5721 Monroe av.
HUSSEY, GEORGE B., <i>Docent.</i> (B. 2-8)	24 G.	MATHEWS, SHAILER, <i>Assoc. Prof.</i> (D. 15)	Hotel Barry.
HUTCHINSON, CHARLES L., <i>Treasurer.</i>	217 LaSalle st.; 2709 Prairie av.	MCCLINTOCK, WILLIAM D., <i>Assoc. Prof. and Dean.</i> (D. 8)	5745 Madison av.
IDDINGS, JOSEPH PAXSON, <i>Assoc. Prof.</i> (W.)	5757 Madison av.	MCLEISH, ANDREW, <i>Trustee.</i>	Glencoe.
IKUTA, MASSUO, <i>Assist.</i> (K.)	344, 57th st.	MOLENNAN, S. F., <i>Assist.</i> (R. 33)	615, 55th st.
JENSEN, NELS PETER, <i>Prof. and Dean.</i>	2719 Indiana av.	MEAD, ALBERT D., <i>Fel.</i>	17 Ray st.
JOFFE, SOLOMON A., <i>Fel.</i>	179 Johnson st.	MEAD, GEORGE H., <i>Assist. Prof.</i> (C. 14)	Jackson av. and 58th st.
JOHNSON, FRANKLIN, <i>Assoc. Prof. and Dean.</i> (D. 2-7)	Hotel Barry.	MERRIAM, JOHN C., <i>Docent.</i> (W.)	5509 Monroe av.
JONES, LAURA A., <i>Fel.</i>	21 F.	MERRILL, HARRIET B., <i>Fel.</i>	12 Kl.
JORDAN, EDWIN O., <i>Instr.</i> (K. 13)	5316 Jackson av.	MEYER, ADOLPH, <i>Docent.</i> (K. 14; 42)	Kankakee.
JUDSON, HARRY PRATT, <i>Head Prof. and Dean</i> <i>of the Faculty.</i> (C. 9)	Hotel Barry.	MICHELSON, ALBERT A., <i>Head Prof.</i> (R. 26)	125, 51st st.
KENT, CHARLES F., <i>Instr.</i> (A. 5 and D. 16)	2 G.	MILLER, ADOLPH C., <i>Prof.</i> (C. 3)	Hotel Barry.
KERN, PAUL OSCAR, <i>Fel.</i>	5827 Kimbark av.	MILLER, FRANK JUSTUS, <i>Assist. Prof. and Assist.</i> <i>Exam.</i> (A. 8 and B. 7)	5410 Madison av.
KLENZE, CAMILLO VON, <i>Instr.</i> (B. 9-11)	270, 56th st.	MILLION, JOHN W., <i>Fel.</i>	3226 Calumet av.
KNAPP, WILLIAM IRELAND, <i>Head Prof.*</i> (B. 12-16)	5116 Madison av.	MONCRIEF, J. W., <i>Assist. Prof.</i>	6032 Ellis av.
KOHLSAAT, HERMANN H., <i>Trustee.</i>	2978 Prairie av.	MOORE, ADDISON W., <i>Fel.</i>	6025 Ellis av.
KÜMMEL, HENRY B., <i>Fel.</i>	5620 Ellis av.	MOORE, CLIFFORD H., <i>Instr.</i> (B. 2-8)	6032 Ellis av.
LAGERGREN, CARL G., <i>Prof. and Dean.</i>	Morgan Park.	MOORE, ELIAKIM HASTINGS, <i>Prof.</i> (R. 35-40)	5830 Washington av.
		MORGAN, OSCAR T., <i>Fel.</i>	Des Moines, Ia.

* In Europe, on leave of absence.

MORRISON, A. M., <i>Assistant.</i> (R.)	6027 Ellis av.	ROCKEFELLER, JOHN D., <i>Trustee.</i>	New York, N. Y.
MORTEN, NELS H., <i>Assist. Prof.</i>	Morgan Park.	RUST, HENRY A., <i>Comptroller and Trustee.</i> (A. 7)	1 Aldine Square.
MOSLEY, JOEL R., <i>Fel.</i>	Macon, Ga.	RYERSON, MARTIN A., <i>President of Trustees.</i> 701 Chamber of Commerce Building; 4851 Drexel Boulevard.	
MOULTON, RICHARD GREEN, <i>Prof.</i> (A. 5)	Hotel Windermere.	SALISBURY, ROLLIN D., <i>Prof. and Dean.</i> (W.)	5540 Monroe av.
MULFINGER, GEORGE A., <i>Reader.</i> (B. 10)	6046 Oglesby av.	SANDELL, ERIC, <i>Assist. Prof.</i>	Morgan Park
MUNSON, JOHN P., <i>Fel.</i>	25 Perry av.	SCHOBINGER, JOHN J., <i>Dean, The Harvard School.</i>	Morgan Park.
NEEDHAM, C. W., <i>Trustee.</i>	Washington, D.C.	SCHWILL, FERDINAND, <i>Tutor.*</i> (C. 5-8)	Florence, Italy.
NEF, JOHN ULRIC, <i>Prof.</i> (K. 14)	5425 Cottage Grove av.	SCOFIELD, CORA L., <i>Fel.</i>	35 B.
NEFF, THEODORE L., <i>Fel.</i>	543, 55th st.	SCRIBNER, S. A., <i>Trustee.</i> Room 303, 169 Jackson; 226 Ashland boul.	
NORTHUP, GEORGE WASHINGTON, <i>Head Prof.</i> (D. 2)	5735 Monroe av.	SCROGIN, L. P., <i>Trustee.</i>	Lexington.
OWEN, WILLIAM BISHOP, <i>Tutor.</i> (B. 4)	5719 Monroe av.	SEE, T. J. J., <i>Assist.</i> (R. 35)	5630 Ingleside av.
PALMER, ALICE FREEMAN, <i>Prof. and Dean.</i> (C. 5-8)	Kl.	SHEPARDSON, FRANCIS WAYLAND, <i>Assist.</i> (A. 5)	5475 Kimbark av.
PARKER, ALONZO K., <i>Trustee.</i>	431½ Seeley av.	SHIPLEY, FREDERICK W., <i>Fel.</i>	14 G.
PARKER, A. O., <i>Chief Eng. and Superintendent.</i>	248, 53d st.	SHOREY, DANIEL L., <i>Trustee.</i>	5520 Woodlawn av.
PATRICK, F. W., <i>Trustee.</i>	Marengo.	SHOREY, PAUL, <i>Prof.</i> (B. 2)	5516 Woodlawn av.
PECK, FERD. W., <i>Trustee.</i>	1826 Michigan av.	SIEBENTHAL, CLAUDE E., <i>Fel.</i>	
PEET, CHARLES E., <i>Fel.</i>	5620 Ellis av.	SLAUGHT, HERBERT E., <i>Reader.</i> (R.)	440, 64th st., Englewood.
PENROSE, R. A. F., JR., <i>Assoc. Prof.</i> (W.)	5540 Monroe av.	SMALL, ALBION W., <i>Head Prof.</i> (C. 10)	5731 Washington av.
PERRIN, C., <i>Trustee.</i>	978 W. Adams st.	SMALL, CHARLES PORTER, <i>Exam. Physician.</i> (Waite Block), 53d st. and Lake av.	
PETERSON, F., <i>Trustee.</i>	Minneapolis, Minn.	SMITH, ALEXANDER, <i>Assist. Prof.</i> (K. 20 and 36)	5724 Madison av.
PILLSBURY, HON. GEORGE A., <i>Trustee.</i>	Minneapolis, Minn.	SMITH, FREDERICK A., <i>Trustee.</i> 25, 132 La Salle; Hotel Metropole.	
POYEN-BELLISLE, RENÉ DE, <i>Assist.</i> (B. 15)	174 Oakland boul.	SMITH, J. A., <i>Trustee.</i>	69 Dearborn st.
PRATT, ALICE E., <i>Fel.</i>	21 F.	SMITH, JAMES ARCHY, <i>Fel.</i>	5620 Ellis av.
PRICE, IRA MAURICE, <i>Assoc. Prof.</i> (D. 15)	Morgan Park.	SMITH, WILLARD A., <i>Trustee.</i> 818 The Rookery; 3256 Rhodes av.	
QUEREAU, EDMUND C., <i>Assist.</i> (W.)	5757 Madison av.	SQUIRES, VERNON PURINTON, <i>Fel.</i>	14 G.
RAYCROFT, J. E., <i>Assist.</i> (Gymnasium).	21 Sn.	STAGG, A. ALONZO, <i>Assoc. Prof.</i> (Gymnasium)	5728 Madison av.
RAYMOND, JEROME H., <i>Sec. Class-study.</i> (A. 5)	6054 Sheridan av.	STARR, FREDERICK, <i>Assist. Prof.</i> (W. 3d floor)	5800 Jackson av.
READ, ELIPHALET A., <i>Fel.</i>	129 D.	STETSON, HERBERT LEE, <i>Dean, Des Moines College.</i> Des Moines, Iowa.	
REYNOLDS, MYRA, <i>Assist.</i> (D. 8)	F.	STIEGLITZ, JULIUS, <i>Instr.</i> (K. 24)	5479 Lexington av.
REYNOLDS, EMILY K., <i>Fel.</i>	10 F.	STRATTON, SAMUEL W., <i>Assoc. Prof.</i> (R. 29)	5717 Madison av.
ROBERTSON, GEO. EUSTIS, <i>Cashier.</i> (A. 1)	5646 Monroe av.	STRONG, CHARLES A., <i>Assoc. Prof.</i> (R. and C. 13-17)	5516 Woodlawn av.
ROBERTSON, JOSEPHINE C., <i>Cataloguer.</i> (General Library)	5718 Kimbark av.	STUART, HENRY W., <i>Fel.</i>	6025 Ellis av.
ROBERTSON, LUANNA, <i>Instr.</i>	Morgan Park.		

* In Europe, on leave of absence.

SWARTZ, SAMUEL ELLIS, <i>Fel.</i>	5622 Ellis av.	WALKER, GEORGE C., <i>Trustee.</i>	567 The Rookery; 228 Michigan av.
TALBOT, MARION, <i>Assist. Prof. and Dean.</i>	7 Kl.	WALLACE, ELIZABETH, <i>Reader.</i>	7 and 8 B.
TARBELL, FRANK BIGELOW, <i>Prof.</i>	Hotel Barry.	WARTENBERG, H. SCHMIDT-, <i>Assist. Prof.</i>	5700 Kimbark av.
TERRY, BENJAMIN S., <i>Prof.</i>	5835 Madison av.	WATASE, S., <i>Instr.</i>	5481 Kimbark av.
THATCHER, OLIVER JOSEPH, <i>Assoc. Prof.</i>	28 G.	WEATHERLOW, JANE K., <i>Fel.</i>	47 F.
THOMAS, WILLIAM ISAAC, <i>Fel.</i>	6420 Lexington av.	WELCH, JEANETTE C., <i>Fel.</i>	5620 Ellis av.
THOMPSON, JAMES WESTFALL, <i>Fel.</i>	5496 Ellis av.	WEST, GERALD M., <i>Docent.</i>	623, 55th st.
TOLMAN, ALBERT H., <i>Assist. Prof. and Assist. Exam.</i>	5468 Monroe av.	WHEELER, WILLIAM MORTON, <i>Instr.</i>	324, 57th st.
TREADWELL, A. L., <i>Fel.</i>	Oxford, O.	WHITEHEAD, LOUIS G., <i>Fel.</i>	5329 Greenwood av.
TRIGGS, OSCAR L., <i>Docent.</i>	21 G.	WHITMAN, CHARLES O., <i>Head Prof.</i>	223, 54th st.
TUFTS, JAMES H., <i>Assoc. Prof.</i>	7154 Euclid av.	WHITNEY, ALBERT WURTS, <i>Fel.</i>	5815 Madison av.
TUNELL, GEORGE, <i>Fel.</i>	5748 Kimbark av.	WIGHTMAN, ALFRED R., <i>Assist.</i>	Morgan Park.
TUNNICLIFF, HELEN H., <i>Hon. Fel.</i>	5 F.	WILKINSON, WILLIAM CLEAVER, <i>Prof.</i>	361 E. 58th st.
VAN HISE, C. R., <i>Prof.</i>	Madison, Wis.	WILLIAMS, LEIGHTON, <i>Trustee.</i>	New York, N. Y.
VEBLEN, THORSTEIN B., <i>Tutor.</i>	573, 61st st	WILLIAMS, WARDNER, <i>Assist.</i>	5812 Drexel av
VINCENT, GEORGE E., <i>Assist.</i>	5338 Washington av.	WITKOWSKY, ESTHER, <i>Fel.</i>	2802 Prairie av.
VOTAW, CLYDE WEBER, <i>Tutor.</i>	437, 61st st.	WIRTH, ALBRECHT H., <i>Docent.</i>	6047 Ellis av.
WADSWORTH, F. L. O., <i>Assist. Prof.</i>		WISHART, A. W., <i>Fel.</i>	5825 Kimbark av.
WAIT, W. W., <i>Trustee.</i>	124 Washington boul.	WOLD, THORE OLSEN, <i>Instr.</i>	Morgan Park.
WALCOTT, CHARLES DOOLITTLE, <i>Prof.</i>	Washington, D. C.	WOOD, F. A., <i>Fel.</i>	5825 Jackson av.
WALKER, ARTHUR TAPPAN, <i>Assist.</i>	5810 Drexel av.	WOODRUFF, CHARLES E., <i>Fel.</i>	146 D.
WALKER, DEAN AUGUSTUS, <i>Fel.</i>	143 D.	YOUNG, J. W. A., <i>Instr.</i>	5758 Washington av.
WALKER, FLORENCE M., <i>Fel.</i>	5620 Ellis av.	ZEUBLIN, CHARLES, <i>Instr.</i>	6062 Sheridan av.
		(A. 5).	

CLASSIFICATION AND DIRECTORY OF STUDENTS IN ATTENDANCE, AUTUMN QUARTER, 1894.

ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Halls.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Aber, William Martin,	A.B. (<i>Yale University</i>) '78. Latin, Greek.	Chicago.	5471 Kimbark av.
Adams, Annie Lewis,	S.B. (<i>Lake Forest University</i>) '93. Greek, Latin.	Chicago.	864 S. Ashland av.
Alden, George Henry,	S.B. (<i>Carleton College</i>) '91; A.B. (<i>Harvard University</i>) '93. History, Political Science. 3.	Waseca, Minn.	5800 Jackson av.
Allen, Cora Adell,	Ph.B. (<i>Hiram College</i>) '92. English, Philosophy.	Akron, O.	552 E. 55th st.
Ames, Edward Scribner,	A.B. (<i>Drake University</i>) '89; D.B. (<i>Yale University</i>) '92. Philosophy, Psychology. 1.	Chicago.	5492 Ellis av.
Amlie, Thomas R.,	S.B. (<i>Iowa State Normal</i>) '89; Ph.B. (<i>Ibid.</i>) '94. Latin, English.	Ridgeway, Ia.	5622 Ellis av.
Atwater, Charles Jackson,	A.B. (<i>Hiram College</i>) '88. Latin, Greek.	Hastings, Neb.	6147 Woodlawn av.
Atwater, Ellen Bessie,	A.B. (<i>Cotner University</i>) '91. History.	Hastings, Neb.	6147 Woodlawn av.
Atwater, May Marks,	A.B. (<i>Oberlin College</i>) '90. Greek, German.	Chicago.	6016 Sheridan av.
Bailey, Leslie Adelbert,	A.B. (<i>Haverford College</i>) '93; A.M. (<i>Ibid.</i>) '94. Latin, Greek.	Dresden Mills, Me.	6126 Wharton av.
Baldwin, James Fosdick,	A.B. (<i>Denison University</i>) '93. History.	Granville, O.	5831 Madison av.
Ball, Fanny Danforth,	A.B. (<i>University of Michigan</i>) '83. History.	Grand Rapids, Mich.	5622 Ellis av.
Barrett, Don Carlos,	A.B. (<i>Earlham College</i>) '89; A.M. (<i>Ibid.</i>) '93. Political Economy, Political Science. 3.	Spring Valley, O.	5754 Washington av.
Bartlett, Emeline Barstow,	A.B. (<i>Vassar College</i>) '94. Greek, Comparative Philology.	Providence, R. I.	46 F.
Beardsley, George,	Ph.B. (<i>University of Iowa</i>) '93. English.	Burlington, Ia.	5709 Drexel av.
Berry, George Ricker,	A.B. (<i>Colby University</i>) '85; A.M. (<i>Ibid.</i>) '88. Semitic. 6.	West Sumner, Me.	5455 Monroe av.
Blaine, Harriet Gertrude,	A.B. (<i>Oberlin College</i>) '90. Greek, Latin. 3.	Oberlin, O.	39 F.
Blakely, William Addison,	Ph.B. (<i>Healdsburg College</i>) '86; Ph.D., '90; LL.B. (<i>University of Michigan</i>) '91; Political Science, History. 3.	Chicago.	5726 Drexel av.
Boggs, Amy,	Ph.B. (<i>Cornell College</i>) '87. English. 1.	Manchester, Ia.	392, 57th st.
Brainard, Harriet C.,	Ph.B. (<i>Cornell University</i>) '76. English, Psychology. 5½.	Chicago.	1301 Wabash av.
Brown, Bertha Mary,	S.B. (<i>St. Lawrence University</i>) '87. German, English.	Crary Mills, N. Y.	17 K.
Burgess, Isaac Bronson,	A.B. (<i>Brown University</i>) '83; A.M. (<i>Ibid.</i>) '86. Latin.	Morgan Park.	Morgan Park.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Burnham, Mary,	A.B. (<i>Oberlin College</i>) '94. Philosophy.	<i>Burlington, Kans.</i>	580, 60th st.
Calvert, George Chambers,	Ph.B. (<i>DePauw University</i>) '83; A.M. (<i>Ibid.</i>) '94. Political Economy, Political Science.	<i>Charleston.</i>	6009 Ellis av.
Campbell, Calvin Victor,	A.B. (<i>Victoria University</i>) '90. Philosophy, Anthropology. 1½.	<i>Ottawa, Ont.</i>	5494 Ellis av.
Carpenter, Frederic Ives,	A.B. (<i>Harvard University</i>) '85. English. 6.	<i>Chicago.</i>	5515 Woodlawn av.
Cary, Antoinette,	S.B. (<i>University of Chicago</i>) '83. Romance. 3.	<i>Elyria, O.</i>	5 Kl.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Archæology. 3¼.	<i>Nashville, Tenn.</i>	5802 Jackson av.
Clark, Hannah Belle,	A.B. (<i>Smith College</i>) '87. Social Science. 6.	<i>Chicago.</i>	5312 Madison av.
Coffin, Fulton Johnson,	A.B. (<i>Dalhousie College</i>) '87; A.M. (<i>Princeton College</i>) '89. Comparative Religion, Church History. 1.	<i>Mt. Stewart, Prince Edward Isl. Canada.</i>	23 G.
Coolidge, Lucy,	Ph.B. (<i>University of Michigan</i>) '91. English.	<i>Bloomington.</i>	24 Kl.
Crandall, Regina Katherine,	A.B. (<i>Smith College</i>) '90. History, Political Science. 3.	<i>Brooklyn, N. Y.</i>	45 B.
Crotty, Millia Alice,	A.B. (<i>University of Kansas</i>) '92. English, German. 3.	<i>Burlington, Kans.</i>	42 B.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. 4¼.	<i>Talladega, Ala.</i>	438, 57th st.
Dana, Mary Ida,	A.B. (<i>Olivet College</i>) '85; A.M. (<i>Ibid.</i>) '88. Latin, German.	<i>Watham.</i>	5810 Drexel av.
Daniels, Lulu Celeste,	L.B. (<i>University of Wisconsin</i>) '79. Political Science, History. 1.	<i>LaCrosse, Wis.</i>	5700 Kimbark av.
Daniels, Mary Lucretia,	A.B. (<i>University of Chicago</i>) '94. Latin, Greek. 1¼.	<i>New Haven, Conn.</i>	Foster Hall.
Davies, Anna Freeman,	A.B. (<i>Lake Forest University</i>) '89; A.M. (<i>Ibid.</i>) '91. Social Science. 6.	<i>Lake Forest.</i>	Lake Forest
Davis, Walter Scott,	A.B. (<i>DePauw University</i>) '89; A.M. (<i>Cornell University</i>) '92. History, Political Science. 4.	<i>North Salem, Ind.</i>	5722 Kimbark av.
Dodge, Ernest Green,	A.B. (<i>Berea College</i>) '93. Greek. 3¼.	<i>Berea, Ky.</i>	5737 Kimbark av.
Dorman, John Benjamin,	A.B. (<i>Clinton Academy</i>) '85; S.B. (<i>State University of Missouri</i>) '91; Ph.B. (<i>Ibid.</i>) '91. Political Science, History. 3.	<i>Clinton, Mo.</i>	5722 Kimbark av.
Dunn, Arthur William,	A.B. (<i>Knox College</i>) '93. Social Science, Zoology. 3.	<i>Galesburg.</i>	5800 Jackson av.
Durbin, Eva Comstock,	S.B. (<i>Hilldale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History. 4.	<i>Chicago.</i>	455, 55th st.
Dye, Friend Taylor,	A.B. (<i>Marietta College</i>) '91. Sociology.	<i>Lockhart's Run, W. Va.</i>	573 E. 61st st.
Earle, Mabel,	A.B. (<i>College of Montana</i>) '94. Latin.	<i>Deer Lodge, Mont.</i>	5733 Ingleside av.
Echlin, Henry Magifford,	S.B. (<i>Northwestern University</i>) '93. Political Science, Sociology.	<i>Toronto, Ont.</i>	6054 Sheridan av.
Erickson, Frank Morton,	A.B. (<i>Wabash College</i>) '92. Greek, Sanskrit.	<i>Kendallville, Ind.</i>	6461 Myrtle av.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Greek. 2.	<i>Chicago.</i>	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '91. History, Political Science. 4.	<i>Nashville, Tenn.</i>	5722 Kimbark av.
Forrest, Albertina Allen,	Ph.B. (<i>Hiram College</i>) '93. English, Philosophy.	<i>Chicago.</i>	552 E. 55th st.
Forrest, Jacob Dorsey,	A.B. (<i>Hiram College</i>) '92; A.M. (<i>Ibid.</i>) '92. Sociology, Political Economy.	<i>Chicago.</i>	552 E. 55th st.
Fowler, Frank Hamilton,	A.B. (<i>Lombard University</i>) '90. Sanskrit, Comparative Philology. Latin. 6½.	<i>Bradford.</i>	5810 Drexel av.
France, Wilmer Cave,	A.B. (<i>Cambridge University, England</i>) '92. Greek, Latin. 3.	<i>Tysley, Warwick-shire, Eng.</i>	26 F.
Franklin, Frank George,	S.B. (<i>Cornell University</i>) '87. History, Political Economy.	<i>Plover, Wis.</i>	623, 55th st.
Fulcomer, Daniel,	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science, Pedagogy. 3.	<i>Grand Rapids, Mich.</i>	689 E. 57th st.
Gaud, William Steen,	A.B. (<i>University of Chicago</i>) '93. English.	<i>Chicago.</i>	5610 Madison av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Gilbert, Emma Large,	A.B. (<i>Cornell University</i>) '90. Latin, Greek. 3.	Holicong, Pa.	27 B.
Glover, Ethel Adelia,	A.B. (<i>Wellesley College</i>) '90. Political Science, History. 1.	Washington, D. C.	5825 Kimbark av.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. New Test. Greek, Semitic. 6.	Chicago.	5630 Kimbark av.
Gordis, Warren Stone,	A.B. (<i>University of Rochester</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek. 1.	De Land, Fla.	5620 Ellis av.
Gow, John Russell,	A.B. (<i>Brown University</i>) '77; D.B. (<i>Newton Theological Institution</i>) '82. Social Science, Anthropology. 6.	Chicago.	275, 52d st.
Harding, William Fletcher,	A.B. (<i>University of Indiana</i>) '93. Political Economy, Political Science.	Indianapolis, Ind.	5816 Washington av.
Hardy, Sarah McLean,	Ph.B. (<i>University of California</i>) '93. Political Economy, History. 3.	Berkeley, Cal.	6023 Ellis av.
Harris, Norman Dwight,	Ph.B. (<i>Yale University</i>) '92. History.	Chicago.	4520 Drexel boul.
Hastings, Charles Harris,	A.B. (<i>Bowdoin College</i>) '91. History, Social Science. 3.	Bethel, Me.	440, 57th st.
Heidel, William Arthur,	A.B. (<i>Central Wesleyan College</i>) '88; A.M. (<i>Ibid.</i>) '91. Greek, Latin. 1.	Warrington, Mo.	5488 Ellis av.
Heim, Ephraim M.,	A.B. (<i>Bucknell University</i>) '93. History, Political Science.	Warrensburg, Mo.	5727 Kimbark av.
Helmer, Clara Seymour,	S.B. (<i>Wellesley College</i>) '93. History.	Chicago.	34 Aldine Square.
Henry, William Elmer,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 2.	Greentown, Ind.	5515 Woodlawn av.
Herrick, Julian Avery,	S.B. (<i>La Grange College</i>) '92. Philosophy.	La Grange, Mo.	129 D.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. Systematic Theology. 10.	Chicago.	10137 Jefferson av.
Hosford, Frances Juliette,	A.B. (<i>Oberlin College</i>) '91. Latin. 2.	Oberlin, O.	6218 Woodlawn av.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '93. Social Science, Political Economy. 4.	Chicago.	5800 Jackson av.
Hoxie, Robert Franklin,	Ph.B. (<i>University of Chicago</i>) '93. Political Economy, History. 3.	Yorkville, N. Y.	5727 Kimbark av.
Hutchison, Jennie Gordon,	A.B. (<i>Buena Vista College</i>) '93. Greek.	Cherokee, Ia.	5558 Lexington av.
Hutchison, Katherine Irwin,	A.B. (<i>Monmouth College</i>) '81; A.M. (<i>Ibid.</i>) '84. Philosophy, Greek.	Cherokee, Ia.	5558 Lexington av.
Jones, Arthur Winslow,	A.B. (<i>Haverford College</i>) '85; A.M. (<i>Ibid.</i>) '90. Latin, Greek.	South China, Me.	6126 Wharton av.
Jones, Florence Nightingale,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>State University of Nebraska</i>) '91. Comparative Philology, Latin. 4.	Lincoln, Neb.	155, 53d st.
Jones, Gorman,	A.B. (<i>Denison University</i>) '90; A.M. (<i>Ibid.</i>) '93. History, Political Science.	Williamsburg, Ky.	5620 Ellis av.
Jones, Jessie Louise,	A.B. (<i>Doane College</i>) '84. German. 4½.	Lincoln, Neb.	155, 53d st.
Jones, Laura Amelia,	A.B. (<i>Wellesley College</i>) '82; A.M. (<i>Ibid.</i>) '91. Biblical History, Semitic. 6.	Chelsea, Mass.	21 F.
Jordan, Elsie Fay,	A.B. (<i>Smith College</i>) '92. German.	Chicago.	5316 Jackson av.
Jude, George Washington,	A.B. (<i>Otterbein University</i>) '91. History, Political Economy. 3½.	Sugar Grove, Pa.	5724 Drexel av.
Keith, Eleanor May,	Ph.B. (<i>University of Chicago</i>) '94. English, History.	Ottawa, Kans.	5724 Drexel av.
Kern, Paul Oscar,	(<i>Berlin University, Germany</i>) German. 5.	Chicago.	5827 Kimbark av.
Kirby, Elizabeth Pomeroy,	A.B. (<i>Vassar College</i>) '72. History.	Jacksonville.	37 F.
Kirkwood, Agnes Jean,	A.B. (<i>College of Emporia, Kans.</i>) '92. English, Latin.	Wooster, O.	48 F.
Kruse, William Henry,	A.B. (<i>University of Chicago</i>) '94. Greek, Latin.	Beecher.	623, 55th st.
LaMonte, Lillian,	A.B. (<i>Vassar College</i>) '89. Latin, English.	Rye, N. Y.	31 F.
Learned, Henry Barrett,	A.B. (<i>Harvard University</i>) '90. History, Political Economy. 3.	St. Louis, Mo.	13 G.
Linfield, Frances Eleanor Ross,	A.B. (<i>Elmira College</i>) '73; A.M. (<i>Ibid.</i>) '78. English, German. 1.	Beaver Dam, Wis.	3715 Langley av.
Linscott, Henry Farrar,	A.B. (<i>Bowdoin College</i>) '92. Comparative Philology, Latin. 6.	Chicago.	4000 Drexel boul.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Love, Mary Edith,	Ph.B. (Cornell College) '91. English, Philosophy. 3.	Marion, Ia.	43 F.
Lovell, Helen Louisa,	A.B. (University of Michigan) '87. Greek, Latin.	Flint, Mich.	5408 Monroe av.
MacLean, Murdoch Haddon,	A.B. (Acadia College) '92. History. 3½.	Wolfville, N. S.	539, 55th st.
Maddocks, Caroline Shaw,	A.B. (Wellesley College) '90. English. 3½.	Chicago.	5622 Ellis av.
Marot, Mary Louise,	S.B. (University of Chicago) '94. Comparative Religion, Philosophy.	Dayton, O.	22 F.
Mather, Sedgewick,	A.B. (Colgate University) '86; A.M. (Ibid.) '89. Latin, Greek.	Belleville, N. Y.	326 E. 57th st.
Mathias, James William,	A.B. (Adelbert College) '94. Greek, Latin.	Parksley, Va.	5122 Ashland av.
McIntosh, Jessie Irene,	A.B. (Highland University) '94. Greek, Latin.	Highland Kans.	356, 56th st.
McLennan, Simon Fraser,	A.B. (Toronto University) '93. Philosophy.	Pinkerton, Ont.	615, 55th st.
Mendenhall, Alice Ann,	A.B. (Earlham College) '90. Semitic.	Bloomington, Ind.	14 F.
Milligan, Henry Forsythe,	A.B. (University of Chicago) '93. Philosophy, New Test. Greek. 2.	Chicago.	195, 37th st.
Million, John Wilson,	A.B. (William Jewell College) '89; A.M. (Ibid.) '91. Political Economy, History. 5½.	Watson, Mo.	3226 Calumet av.
Monroe, Paul,	S.B. (Franklin College) '90. Sociology, Political Economy.	Franklin, Ind.	578 E. 60th st.
Montgomery, Louise,	S.B. (University of Minnesota) '90. Political Economy.	Minneapolis, Minn.	5418 Greenwood av.
Moore, Addison Webster,	A.B. (De Pauw University) '90; A.M. (Ibid.) '93. Philosophy, Sociology.	Terre Haute, Ind.	6025 Ellis av.
Moore, Ella Adams,	Ph.B. (De Pauw University). English.	Terre Haute, Ind.	6025 Ellis av.
Mulfinger, George A.,	A.B. (Northwestern University) '85. German, English. 4.	Chicago.	6046 Oglesby av.
Munson, John Augustus,	A.B. (Central University) '91; A.M. (University of Michigan) '94. German.	Chicago.	5711 Ingleside av.
Neff, Theodore Lee,	Ph.B. (Asbury, now De Pauw, University) '83; A.M. (De Pauw University) '86. Romance Languages. 4.	Iowa City, Ia.	543, 55th st.
Noyes, Edmund Spencer,	A.B. (Beloit College) '92. Political Science, History, Political Economy.	Evanston.	5537 Lexington av.
Ogden, Howard Newton,	A.B. (University of W. Virginia) '81; A.M. (Ibid.) '84; A.M. (Marietta College) '93. Political Science, History, English. 3.	Fairmont, W. Va.	6352 Drexel av.
Owen, Ernest Jones,	A.B. (Denison University) '93. Greek. 3.	Newark, O.	449, 55th st.
Page, Edward Carlton,	A.B. (Northwestern University) '88. History, Political Science. 3.	Chicago.	193 E. 54th st.
Parker, Robert Lincoln,	L.B. (Ottawa University) '91; S.B. (Ibid.) '91. History, Latin.	Clearwater, Kans.	541, 55th st.
Paschal, George Washington,	A.B. (Wake Forest College) '92. Greek, Latin. 3.	Siler City, N. C.	623, 55th st.
Porter, Elizabeth,	A.B. (University of Chicago) '94. Philosophy, Sociology.	Cleveland, O.	The Colonies.
Pratt, Alice Edwards,	Ph.B. (University of California) '81; A.M. (University of Chicago) '93. English, Philosophy. 5.	St. Helena, Cal.	21 F.
Putnam, Edward Kirby,	A.B. (Illinois College) '91. English, Social Science. 3.	Chicago.	Hotel Barry.
Radebaugh, William,	A.B. (U. S. Grant University) '93; A.M. (Illinois Wesleyan University) '94. Philosophy.	Danville.	5496 Ellis av.
Radford, Maude Lavenia,	Ph.B. (University of Chicago) '94. English.	Chicago.	117, 55th st.
Raymond, Jerome Hall,	A.B. (Northwestern University) '92; A.M. (Ibid.) '93. Sociology, Political Science. 1.	Aurora.	6054 Sheridan av.
Read, Eliphalet Allison,	A.B. (Acadia University) '91. Systematic Theology, Sociology. 9.	Berwick, N. S.	128 D.
Reed, Helen Gertrude,	Ph.B. (Northwestern University) '94. Latin, English.	Cairo.	6038 Oglesby av.
Rew, Ruth Myra,	A.B. (Iowa College) '92. English, Greek.	Grinnell, Ia.	5763 Madison av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Reynolds, Emily Knox,	A.B. (<i>Vassar College</i>) '89. English.	<i>Pueblo, Col.</i>	10 F.
Rickert, Martha Edith,	A.B. (<i>Vassar College</i>) '91. English, Philosophy. 1.	<i>Chicago.</i>	320, 57th st.
Robertson, Edward Aquilla,	A.B. (<i>Moore's Hill College</i>) '86; A.M. (<i>Ibid.</i>) '89. History, English.	<i>Brightwood, Ind.</i>	5490 Ellis av.
Robertson, James Rood,	A.B. (<i>Beloit College</i>) '86; A.M. (<i>University of Michigan</i>) '90. History, Political Economy. 1.	<i>Forest Grove, Ore.</i>	5620 Ellis av.
Robertson, Josephine Chester,	A.B. (<i>Wellesley College</i>) '91. German.	<i>Allison, N. Y.</i>	5718 Kimbark av.
Rosseter, Edward Clark,	A.B. (<i>Marietta College</i>) '70; A.M. (<i>Ibid.</i>) '73. Political Economy, History.	<i>Chicago.</i>	5490 Ellis av.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. 4.	<i>Hastings, Neb.</i>	58 Sn.
Sanders, Frederic William,	A.B. (<i>College of the City of New York</i>) '83; A.M. (<i>Harvard University</i>) '92. Sociology, Philosophy. 4.	<i>Chicago.</i>	4 G.
Sanford, Frederick Warren,	S.B. (<i>Illinois College</i>) '90; A.B. (<i>Ibid.</i>) '94. Latin, Greek, Sanskrit.	<i>Jacksonville.</i>	633 W. 62nd st.
Schlicher, John J.,	A.B. (<i>University of Wisconsin</i>) '92. Latin, Greek.	<i>Merton, Wis.</i>	5746 Jackson av.
Schoolcraft, Henry Lawrence,	A.B. (<i>Marietta College</i>) '92. Philosophy, History. ½.	<i>North Adams, Mich.</i>	5726 Monroe av.
Scofield, Cora Louise,	A.B. (<i>Vassar College</i>) '90. History, Political Science. 4.	<i>Washington, Ia.</i>	35 B.
Scott, Lou Ermina,	S.B. (<i>Hiram College</i>) '92. Political Science, Sociology	<i>Chagrin Falls, O.</i>	5488 Ellis av.
Shipley, Frederick William,	A.B. (<i>University of Toronto</i>) '92. Latin, Sanskrit, Political Science.	<i>Cheltenham, Ont.</i>	14 G.
Sisson, Edward Octavius,	A.B. (<i>University of Chicago</i>) '93. Philosophy. 3.	<i>Newcastle-on-Tyne, England.</i>	5442 Drexel av.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). Theology. ¾.	<i>City of Mexico.</i>	145 Oakwood boul.
Stowe, Frederick Arthur,	Ph.B. (<i>State University of Iowa</i>) '92. Political Economy, Political Science. 6.	<i>Chicago.</i>	578, 60th st.
Stuart, Henry Walgrave,	Ph.B. (<i>University of California</i>) '93. Political Economy, Philosophy.	<i>San Leandro, Cal.</i>	6025 Ellis av.
Stutsman, Lewis Elmer,	A.B. (<i>University of Indiana</i>) '94. Anthropology, Sociology.	<i>Summit Grove, Ind.</i>	5835 Drexel av.
Tanner, Amy Eliza,	A.B. (<i>University of Michigan</i>) '93. Philosophy, Sociology.	<i>Faribault Minn.</i>	429, 57th st.
Taylor, Thomas Jackson,	A.B. (<i>University of Chicago</i>) '94. French, English.	<i>St. Louis, Mo.</i>	5836 Drexel av.
Thomas, William Isaac,	A.B. (<i>University of Tennessee</i>) '84; A.M. (<i>Ibid.</i>) '85; Ph.D. (<i>Ibid.</i>) '86; Anthro- pology, Sociology. 2½.	<i>Oberlin, Ohio.</i>	6420 Lexington av.
Thompson, James Westfall,	A.B. (<i>Rutgers College</i>) '92. History, Political Science. 6.	<i>New Brunswick, N.J.</i>	5496 Ellis av.
Thurston, Henry Winfred,	A.B. (<i>Dartmouth College</i>) '86. Social Science, Political Economy. 3.	<i>Chicago.</i>	5314 Madison av.
Tompkins, Arnold,	A.B. (<i>Indiana University</i>) '90; A.M. (<i>Ibid.</i>) '92. Philosophy, Sociology. 3.	<i>Terre Haute, Ind.</i>	5858 Indiana av.
Tunell, George,	S.B. (<i>University of Minnesota</i>) '92. Political Economy, Political Science. 6.	<i>Albert Lea, Minn.</i>	5748 Kimbark av.
Tunnicliff, Helen Honor,	A.B. (<i>Vassar College</i>) '89. Political Science, Political Economy. 4.	<i>Macomb.</i>	5 F.
Tunnicliff, Sarah Bacon,	A.B. (<i>Vassar College</i>) '92. History, English.	<i>Macomb.</i>	5 F.
Vaile, Harry Selden,	A.B. (<i>Yale University</i>) '93. History.	<i>Oak Park.</i>	Hyde Pk. High Schl.
Waldo, William Albergince,	Th.B. (<i>Morgan Park Theological Seminary</i>) '92; Ph.B. (<i>Des Moines College</i>) '83. Systematic Theology, Sociology. 5½.	<i>Drayton, N. D.</i>	7725 Union av.
Walker, Dean Augustus,	A.B. (<i>Yale University</i>) '84; D.B. (<i>Ibid.</i>) '89; A.M. (<i>Ibid.</i>) '90. Semitic. 3.	<i>Auburndale, Mass.</i>	143 D.
Walker, Florence Mercy,	Ph.B. (<i>University of Chicago</i>) '94. English, Philosophy.	<i>Le Roy, N. Y.</i>	5620 Ellis av.
Wallace, Elizabeth,	S.B. (<i>Wellesley College</i>) '86. Romance, Political Science. 5.	<i>Minneapolis, Minn.</i>	7 and 8 B.
Washburn, Oliver Mills,	A.B. (<i>Hillsdale College</i>) '94. Latin, Greek.	<i>Hillsdale, Mich.</i>	5556 Drexel av.
Weatherlow, Jane Knight,	A.B. (<i>Wellesley College</i>) '91. English, Philosophy. 3.	<i>Seneca Falls, N.Y.</i>	47 F.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
West, Max,	S.B. (<i>University of Minnesota</i>) '90; A.M. (<i>Columbia College</i>) '92; Ph.D. (<i>Ibid.</i>) '93. Sociology. 3½.	Chicago.	129, 56th st.
Whitaker, Hobart Karl,	A.B. (<i>Amherst College</i>) '90. History, Political Economy.	Leverett, Mass.	7154 Euclid av.
Whitehead, Louis Grant,	A.B. (<i>University of Michigan</i>) '93; A.M. (<i>Ibid.</i>) '94. Philosophy, Neurology.	Vulcan, Mich.	5329 Greenwood av.
Wier, Marion Clyde,	A.B. (<i>St. Johns College</i>) '92. Greek, Latin. 1.	South River, Md.	5854 Rosalie Court.
Wilkinson, Florence,	A.B. (<i>Wellesley College</i>) '92. English, Greek. 3.	Chicago.	361 E. 58th st.
Willard, Laura,	S.B. (<i>Carleton College</i>) '87. Sociology, Political Science. 5.	Chicago.	5555 Woodlawn av.
Willett, Herbert Lockwood,	A.B. (<i>Bethany College</i>); A.M. (<i>Ibid.</i>) '86. Semitic. 2.	Ann Arbor, Mich.	5716 Kimbark av.
Willis, Henry Parker,	A.B. (<i>University of Chicago</i>) '94. Political Economy, Political Science. 2.	Racine, Wis.	5551 Lexington av
Winston, Ambrose Paré,	A.B. (<i>University of Wisconsin</i>) '87. Political Economy, History. 4.	Chicago.	6051 Madison av.
Winston, Lucy A.,	A.B. (<i>Earlham College</i>) '82. German, English. 1.	Germantown, Pa.	20 B.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. Church History. 6.	Maywood.	541 E. 55th st.
Witkowsky, Esther,	A.B. (<i>Vassar College</i>) '86. Romance Languages, German. 6.	Chicago.	2802 Prairie av.
Wolcott, Emma,	S.B. (<i>Iowa College</i>) '88. History.	Clay, Ia.	5800 Jackson av.
Wood, Francis Asbury,	A.B. (<i>Northwestern University</i>) '80; A.M. (<i>Ibid.</i>) '83. German, English, Comparative Philology. 3.	Aurora, Neb.	5825 Jackson av.
Wood, Harriet Anne,	A.B. (<i>Vassar College</i>) '93. History.	Saginaw, Mich.	35 F.
Woodburn, Grace Helen,	A.B. (<i>Indiana University</i>) '85; A.M. (<i>Ibid.</i>) '94. Latin, Greek.	Bloomington, Ind.	5622 Ellis av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; D.B. (<i>Crozer Theological Seminary</i>) '89. Biblical Greek, Patristic Greek. 4.	Philadelphia, Pa.	146 D.
Wyckoff, Charles Truman,	A.B. (<i>Knox College</i>) '84; A.M. (<i>Ibid.</i>) '87; D.B. (<i>Chicago Theological Seminary</i>) '87. History, Political Science, French.	Wheaton.	228, 53d st.
Youngdahl, Anton Cervenus,	A.B. (<i>Augustana College</i>) '94. English.	Altona.	5755 Atlantic st.
Yust, William Frederick,	A.B. (<i>Central Wesleyan College</i>) '93. Latin, Greek.	Peace Creek, Kans.	5490 Ellis av.
TOTAL, 181.			

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Barrett, Storrs Barrows,	A.B. (<i>University of Rochester</i>) '89. Astronomy, Physics. 7.	Rochester, N. Y.	438, 57th st.
Barrett, William Elmer,	S.B. (<i>Wilmington College</i>) '94. Mathematics, Astronomy, Physics.	Wilmington, O.	6124 Wharton av.
Boothroyd, Samuel Latimer.	S.B. (<i>Colorado Agricultural College</i>) '93. Mathematics, French.	Arkins, Col.	598, 60th st.
Boyer, Emanuel Roth,	A.B. (<i>Harvard University</i>) '90. Zoölogy. 3.	Englewood.	536, 61st st.
Brace, Edith Minerva,	S.B. (<i>University of Nebraska</i>) '91. Zoölogy. 1.	Lincoln, Neb.	5728 Madison av.
Brode, Howard Stidham,	Graduate (<i>Illinois Normal University</i>) '88; Student (<i>Wood's Hall</i>) '90. Zoölogy, Physiology. 3.	Urbana.	804, 64th st.
Brown, George L.,	S. M. (<i>State University of Missouri</i>) '93. Mathematics.	Reynard, Mo.	5709 Drexel av.
Buell, Ira Maynard,	Ph.B. (<i>Beloit College</i>) '78; A.M. (<i>Ibid.</i>) '81. Geology. 2.	Beloit, Wis.	5827 Kimbark av.
Burns, Elmer Ellsworth,	S.B. (<i>Simpson College</i>) '94. Physics, Chemistry. 1.	Chicago.	6126 Wharton av.
Chamberlain, Charles Joseph,	A.B. (<i>Oberlin College</i>) '88. Physiology, Anatomy. 3.	Oberlin, O.	6034 Woodlawn av.
Clapp, Cornelia Maria,	Ph.B. (<i>Syracuse University</i>); Ph.D. (<i>Ibid.</i>) '89. Zoölogy, Neurology. 3.	Montague, Mass.	3154 Prairie av.
Claypole, Agnes Mary,	Ph.B. (<i>Buchtel College</i>) '92; S.M. (<i>Cornell University</i>) '94. Biology, Geology.	Akron, O.	5825 Kimbark av.
Cobb, Herbert Edgar,	A.B. (<i>Wesleyan University</i>) '87; A.M. (<i>Ibid.</i>). Mathematics. 4.	Searsmont, Me.	5601 Washington av.
Cole, Aaron Hodgman,	A.B. (<i>Colgate University</i>) '84; A.M. (<i>Ibid.</i>) '87. Neurology, Histology.	Chicago.	5726 Monroe av.
Cravens, Linnaeus Pinneo,	A.B. (<i>Carthage College</i>) '78; A.M. (<i>Ibid.</i>) '82. Mathematics.	Carthage.	580, 60th st.
Dains, Frank Burnett,	Ph.B. (<i>Wesleyan University</i>) '90; S.M. (<i>Ibid.</i>) '91. Chemistry, Mineralogy, Physics. ½.	Chicago.	5759 Madison av.
Dickson, Leonard Eugene,	S.B. (<i>University of Texas</i>) '93; A.M. (<i>Ibid.</i>) '94. Mathematics. 1.	Cleburne, Texas.	5515 Woodlawn av.
Drew, David Abbott,	S.B., L.B. (<i>Savannah University</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics.	Baraboo, Wis.	510 Harlem av. Oak Park.
Dunlevy, Robert Baldwin,	S.B. (<i>University of Wisconsin</i>) '93. Geology, Chemistry.	Sparta, Wis.	623, 55th st.
Fargo, William Fordyce,	A.B. (<i>Colgate University</i>) '90. Chemistry.	McMinnville, Ore.	623, 55th st.
Fling, Harry Ridgeaway,	A.B. (<i>Bowdoin College</i>) '86. Embryology, Physiology, Paleontology.	Minneapolis, Minn.	5533 Jackson av.
Folin, Otto Knute Olaf,	S.B. (<i>University of Minnesota</i>) '92. Chemistry, Physics. 7.	Stillwater, Minn.	5622 Ellis av.
Froley, John William,	S.B. (<i>University of Missouri</i>) '88; S.M. (<i>Ibid.</i>) '92; Astronomy, Mathematics. 5.	Canton, Mo.	5630 Ingleside av.
Garrey, Walter Eugene,	S.B. (<i>Lawrence University</i>) '94. Biology, Chemistry.	Aurora.	5714 Kimbark av.
Geckeler, Otto Theodore,	A.B. (<i>University of Indiana</i>) '94. Mathematics, Physics.	Patrickburg, Ind.	543, 55th st.
Gillespie, William,	A.B. (<i>Toronto University</i>) '93. Mathematics, Physics.	Hamilton.	351, 58th st.
Goldthwaite, Nellie E.,	S.B. (<i>University of Michigan</i>) '94. Chemistry, Physics.	Jamestown, N. Y.	38 F.
Gordon, Charles Henry,	S.B. (<i>Albion College</i>) '86; S.M. (<i>Ibid.</i>) '90. Geology. 4.	Chicago.	6046 Washington av.
Gould, Alice Bache,	A.B. (<i>Bryn Mawr College</i>) '89. Mathematics.	Boston, Mass.	25 F.
Hardesty, Irving,	A.B. (<i>Wake Forest College</i>) '92. Zoölogy, Physiology, Histology. 4.	Wakefield, N. C.	623, 55th st.
Hart, James Norris,	B.C.E. (<i>Maine State College</i>) '85; C.E. (<i>Ibid.</i>) '90. Mathematics, Astronomy.	Orono, Me.	5726 Monroe av.
Harvey, Seth,	S.B. (<i>Wilmington College</i>) '91. Mathematics, Astronomy, Physics. 3.	Ogden, O.	5733 Ingleside av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Hesse, Bernhard Conrad,	Ph.C. (<i>University of Michigan</i>) '89; S.B. (<i>Ibid.</i>) '93. Chemistry. 4.	Saginaw, E.S., Mich.	5620 Ellis av.
Hopkins, Thomas Cramer,	S.B. (<i>De Pauw University</i>) '87; S.M. (<i>Ibid.</i>) '90; A.M. (<i>Leland Stanford, Jr., University</i>) '92. Geology, Mineralogy. 3.	Chicago.	6149 Woodlawn av.
Hornbeak, Samuel Lee,	A.B. (<i>Trinity University</i>) '85; A.M. (<i>Ibid.</i>) '86. Chemistry. 1.	Tehuacana, Tex.	6011 Ellis av.
Hunt, Caroline Louise,	A.B. (<i>Northwestern University</i>) '88. Chemistry, Physiology. 1.	Evanston,	5700 Kimbark av.
Hutchinson, William Albert,	Ph.B. (<i>Dickinson College</i>) '92. Chemistry, Physics.	Chicago.	6402 Madison av.
Joffe, Solomon Achillowitz,	S.M. (<i>University of the City of New York</i>) '93. Mathematics, Astronomy. 3.	Chicago.	179 Johnson st.
Jones, Lander William,	A.B. (<i>Williams College</i>) '92. Chemistry. 3.	Peoria, Ill.	5417 Cottage Grove av.
Kinney, Charles,	A.C. (<i>Drake University</i>) '92; S.M. (<i>Ibid.</i>) '93. Chemistry, Physics.	Chicago.	5492 Ellis av.
Lansingh, Blanche,	A.B. (<i>Evelyn College</i>) '94. Mathematics.	Chicago.	5109 Kimbark av.
Lewis, Albert Buell,	A.B. (<i>University of Chicago</i>) '94. Zoology, Physiology.	Santa Ana, Cal.	5722 Kimbark av.
Lucas, Frederic Colby,	S.B. (<i>Harvard University</i>) '92. Geology. 2.	Chicago.	5722 Kimbark av.
Lyon, Elias Potter,	S.B. (<i>Hillsdale College</i>) '91; A.B. (<i>Ibid.</i>) '92. Zoology, Histology.	Hillsdale, Mich.	2101 Indiana av.
McCaskill, Virgil Everett,	A.B. (<i>Ohio Wesleyan University</i>) '93; A.M. (<i>Ibid.</i>) '94. Biology.	Warrensburg, Mo.	438 E. 57th st.
Marshall, Charles Vincent,	S.B. (<i>Penn College</i>) '92. Mathematics, German.	Martinsburg, Ia.	6116 Madison av.
Mead, Albert Davis,	A.B. (<i>Middlebury College</i>) '80; A.M. (<i>Brown University</i>) '92. Zoology, Neurology. 6.	Chicago.	17 Ray st.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology, Geology. 7.	Lowell, Mass.	5492 Ellis av.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Physiology. 4.	Chicago.	429, 57th st.
Munson, John P.,	S.B. (<i>University of Wisconsin</i>) '87; S.M. (<i>Ibid.</i>) '92; Ph.B. (<i>Yale University</i>) '92. Zoology, Physiology. 3.	Chicago.	25 Perry av.
Newton, George Alexander,	A.B. (<i>Trinity University</i>). Mathematics. 1.	Tehuacana, Tex.	6011 Ellis av.
Nichols, Ernest Reuben,	S.B. (<i>State University of Iowa</i>) '87; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics. 1.	Manhattan, Kan.	5455 Monroe av.
Packard, Wales Harrison,	S.B. (<i>Olivet College</i>) '94. Zoology, Botany, Physiology.	Chatham Centre, O.	537, 55th st.
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91. Physics, Geology. 3½.	Carmel, Ind.	Keene Hotel, 55th st.
Prosser, Fannie Louise,	A.M. (<i>Howard Payne College</i>) '81. Mathematics, Astronomy.	Brunswick, Mo.	48 B.
Remick, Benjamin Luce,	Ph.B. (<i>Cornell College</i>) '89; Ph.M. (<i>Ibid.</i>) '92. Mathematics.	Waverly, Ia.	5709 Drexel av.
Richardson, Sophia Foster,	A.B. (<i>Vassar College</i>) '79. Mathematics. 1.	Poughkeepsie, N. Y.	28 F.
Roberts, John M.,	A.B. (<i>Missouri Valley College</i>). Biology, Chemistry.	Marshall, Mo.	438 E. 57th st.
Rothrock, David Andrew,	A.B. (<i>University of Indiana</i>) '92; A.M. (<i>Ibid.</i>) '93. Mathematics. 1.	Bloomington, Ind.	5709 Drexel av.
Runyon, William Henry,	A.B. (<i>Princeton College</i>) '88; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics. 1.	Chicago.	Armour Institute.
Schottenfels, Ida May,	Ph.B. (<i>Northwestern University</i>) '92. Mathematics. 2.	Chicago.	5602 Jackson av.
Slaught, Herbert Ellsworth,	A.B. (<i>Colgate University</i>) '83; A.M. (<i>Ibid.</i>) '86. Mathematics. 6.	Englewood.	440, 64th st.
Smith, James Archy,	Ph.B. (<i>Denton University</i>) '89; A.M. (<i>Ibid.</i>) '92. Mathematics. 6.	Mercer's Bottom, W. Va.	5620 Ellis av.
Smith, Newland Farnesworth,	Ph.B. (<i>Northwestern University</i>) '92. Physics, Mathematics. ½.	Aurora.	6047 Ellis av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '89. Chemistry, Physics. 5.	Chicago.	3352 Indiana av.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Chemistry. 4.	Chicago.	3352 Indiana av.
Sturges, Mary Mathews,	S.B. (<i>University of Michigan</i>) '93. Zoology, Physiology. 3.	Oak Park.	429, 57th st.
Swartz, Samuel Ellis,	A.B. (<i>Denton University</i>) '79. Chemistry, Physics. 6.	Chicago.	5622 Ellis av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Taylor, Nellie M.,	A.B. (<i>Hanover College</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics, Philosophy. 3.	<i>Hanover, Ind.</i>	5709 Drexel av.
Thürlimann, Leo,	S.B. (<i>Iowa Agricultural College</i>) '90; S.M. (<i>Ibid.</i>) '92. Chemistry.	<i>Carroll, Ia.</i>	6516 Oglesby av.
Thurnauer, Gustav W.,	Ph.D. (<i>University of Berlin</i>) '90. Chemistry. ½.	<i>Nürnberg, Germany.</i>	5711 Madison av.
Van Oedel, Edgar Bates,	A.B. (<i>Knox College</i>) '94. Chemistry, Biology. 1.	<i>Galesburg.</i>	128 D.
Welch, Jeanette Cora,	A.B. (<i>Wellesley College</i>) '89. Physiology, Physics. 6.	<i>Chicago.</i>	5620 Ellis av.
Wheeler, Henry Lord,	Ph.B. (<i>Yale University</i>) '90; Ph.D. (<i>Ibid.</i>) '93. Chemistry.	<i>Chicago.</i>	1812 Prairie av.
Whitney, Albert Wurts,	A.B. (<i>Beloit College</i>) '91. Physics, Mathematics. 3.	<i>Beloit, Wis.</i>	5815 Madison av.
Whitson, Andrew Robinson,	S.B. (<i>University of Chicago</i>) '94. Geology.	<i>Northfield, Minn.</i>	324, 57th st.
Willard, Daniel Everett,	A.B. (<i>Oxford University</i>) '88; A.M. (<i>Ibid.</i>) '90. Geology. 4½.	<i>Nile, N. Y.</i>	6124 Wharton av.
Willard, Emma,	A.B. (<i>Oberlin College</i>) '88; A.M. (<i>University of California</i>) '91. Geology, German. 2.	<i>Chicago.</i>	5555 Woodlawn av.
Wren, Harry Bertrand,	S.B. (<i>Baker University</i>) '94. Mathematics.	<i>Paola, Kans.</i>	541, 55th st.
TOTAL, 79.			

THE NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Abbott, Mary Merriman,	A.B. (<i>Vassar College</i>) '78. Sociology and Anthropology.	<i>Hendersonville, N. C.</i>
Bosworth, Anne Lucy,	S.B. (<i>Wellesley College</i>) '90. Mathematics.	<i>22 Harris av., Woonsocket, R. I.</i>
Breasted, James H.,	A.B. (<i>Northwestern College</i>) '89. Semitic.	<i>Cairo, Egypt.</i>
Burris, William Paxton,	Ph.B. (<i>De Pauw University</i>) '91. Philosophy.	<i>Bluffton, Ind.</i>
Campbell, Peter Sinclair,	A.B. (<i>Toronto University</i>) '71. Greek.	<i>92 Yorkville av., Toronto, Can.</i>
Crawford, C. K.,	Semitic.	<i>Danville, Ky,</i>
Dimmitt, Lillie English,	A.B. (<i>Illinois Wesleyan University</i>) '88; A.M. (<i>Ibid.</i>) '91. Greek.	<i>Sioux City, Ia.</i>
Dodge, Le Vant,	A.B. (<i>Hilldale College</i>) '72; A.M. (<i>Ibid.</i>) '75. Political Science, Sociology, Political Economy.	<i>Berea, Ky.</i>
Estep, Stephen Sewell,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>Ibid.</i>) '87. Social Science.	<i>Humboldt, Kans.</i>
Foster, George B.,	A.M. (<i>West Virginia University</i>) '83. Philosophy.	<i>499 Euclid av., Toronto, Canada.</i>
Hibbard, Herschel Vincent,	(<i>Northern Indiana Normal School</i>).	<i>Valparaiso, Ind.</i>
Hulley, Eloise Mayham,	A.B. (<i>University of Michigan</i>) '90; A.M. (<i>University of Chicago</i>) '94. Philosophy.	<i>Lewisburg, Pa.</i>
Hulley, Lincoln,	A.B. (<i>Bucknell University</i>) '88; A.B. (<i>Harvard University</i>) '89; A.M. (<i>Bucknell University</i>) '91. Semitic.	<i>Lewisburg, Pa.</i>
Jones, Frank William,	S.B. (<i>University of Wisconsin</i>) '92. Geology.	<i>Elk Grove, Wis.</i>
Kling, Henry F.,	Ph.B. (<i>Upper Iowa University</i>) '83. Political Economy.	<i>Hot Springs, S. D.</i>
Locy, William A.,	S.B. (<i>University of Michigan</i>) '81; S.M. (<i>Ibid.</i>) '84. Zoology.	<i>Lake Forest.</i>
Mallory, Hervey Foster,	A.B. (<i>Colgate University</i>) '90. Semitic.	<i>Aberdeen, S. D.</i>
McKee, William Parker,	A.B. (<i>Wabash College</i>) '82, D.B. (<i>Morgan Park Theological Seminary</i>) '87. Ancient History.	<i>522, 12th av. S. E., Minneapolis, Minn.</i>
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '98. Political Science, History.	<i>Macon, Ga.</i>

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Plumb, George H. R.,	Ph.B. (<i>La Fayette College</i>) '77; S.M. (<i>Ibid.</i>) '80. Political Economy, History, Sociology.	Glencoe, Ill.
Robinson, Henry Douglass,	A.B. (<i>Racine College</i>) '84. Sociology, Comparative Religion, French.	Racine, Wis.
Schmidt, William G. W.,	Ph.B. (<i>Syracuse University</i>) '88; Ph.M. (<i>Ibid.</i>) '91. Germanic.	Lake Forest, Ill.
Sherman, Charles Colebrook,	A.B. (<i>Yale University</i>) '88. Semitic.	1422 Mulberry Street, Syracuse, N. Y.
Smith, John M. P.,	A.B. (<i>Des Moines College</i>) '93. Semitic.	Cedar Valley Seminary, Osage, Ia.
Stevenson, James Henry,	A.B. (<i>McGill University</i>) '89; D.B. (<i>Wesleyan Theological College</i>) '90.	Nashville, Tenn.
Tear, John Henry,	Ph.B. (<i>Illinois Wesleyan University</i>) '92. Philosophy, Sociology.	846 Walnut st., Chicago.
Topping, Henry,	A.B. (<i>University of Rochester</i>) '92; D.B. (<i>Morgan Park Theological Seminary</i>) '92. Semitic.	Delavan, Wis.
Treadwell, A. L.,	S.B. (<i>Wesleyan University</i>) '88; S.M. (<i>Ibid.</i>) '90. Zoology.	Miami University, Oxford, O.
Udden, John August,	A.B. (<i>Augustana College</i>) '81; A.M. (<i>Ibid.</i>) '89. Geology.	1000, 38th st., Rock Island.
Walker, Buzz M.,	S.B. (<i>Agricultural and Mechanical College of Mississippi</i>) '88; S.M. (<i>Ibid.</i>) '86. Mathematics.	Agricultural College, Miss.
Wynne, Richard H.,	Semitic.	Bethany, W. Va.
		TOTAL, 31.

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Aitchison, John Young,	A.B. (<i>Des Moines College</i>) '93. 2½.	<i>Des Moines, Ia.</i>	135 D.
Allen, Charles William,	A.B. (<i>Bucknell University</i>) '92. 5.	<i>Scranton, Pa.</i>	144 D.
Anderson, Jacob Nelson,	S.B. (<i>Milton College</i>) '92.	<i>Poy Sippi, Wis.</i>	85 D.
Anderson, Oscar Ludwig,	A.B. (<i>University of Nebraska</i>) '94.	<i>Wahoo, Neb.</i>	93 D.
Arbogast, William Henderson,	(<i>Illinois State Normal University</i>).	<i>Normal.</i>	6320 McChesney av.
Atchley, Isaac Carroll,	A.B. (<i>Drury College</i>) '93. 2½.	<i>Springfield, Mo.</i>	35 D.
Baird, Phil Castor,	A.B. (<i>Amity College</i>) '91; A.M. (<i>Ibid.</i>) '94.	<i>College Springs, Ia.</i>	6124 Wharton av.
Bale, George Arthur,	Ph.B. (<i>Des Moines College</i>) '93. 2.	<i>Gig Harbor, Wash.</i>	67 D.
Behan, Warner Palmer,	A.B. (<i>University of Chicago</i>) '94. ½.	<i>Chicago.</i>	4525 Vincennes av.
Beyl, Fred Almon,	(<i>Borden Institute</i>). 2.	<i>Memphis, Tenn.</i>	5558 Drexel av.
Beyl, John Lewis,	S.B. (<i>Borden Institute</i>) '89. 4.	<i>Jeffersonville, Ind.</i>	5709 Drexel av.
Blake, James,	(<i>Eng. Theol. Sem., Univ. of Chicago.</i>) '94.	<i>Chicago.</i>	89 D.
Borden, Edward Howard,	A.B. (<i>Acadia University</i>) '92. 6.	<i>Truro, N. S.</i>	109 D.
Boyer, Henry Keely,	D.B. (<i>Seabury Divinity School</i>) '88.	<i>Reading, Pa.</i>	34 D.
Braker, George, Jr.,	A.B. (<i>Colgate University</i>) '93. 2½.	<i>Brooklyn, N. Y.</i>	138 D.
Breed, Reuben Leonard,	A.B. (<i>Olivet College</i>) '94.	<i>Wyandotte, Mich.</i>	275, 92d st.
Brownson, Edwin Julius,	A.B. (<i>Colgate University</i>) (<i>Newton Theological Institution</i>). 3.	<i>Englewood.</i>	529, 61st.
Bunyard, Robert Lowry,	L.B. (<i>Mississippi College</i>) '94.	<i>Bolton, Miss.</i>	81 D.
Burling, James Perkins,	A.B. (<i>Harvard College</i>) '91; D.B. (<i>Chicago Theological Seminary</i>) '93.	<i>Chicago.</i>	5655 Peoria st.
Case, Carl Delos,	A.B. (<i>Colgate University</i>) '91. 6.	<i>St. Anthony Park, Minn.</i>	139 D.
Chalmers, William Everett,	A.B. (<i>Brown University</i>) '93. 3.	<i>Paterson, N. J.</i>	133 D.
Chapin, Judson Clarke,	A.B. (<i>University of Rochester</i>) '89. 5½.	<i>Chicago.</i>	3816 Rhodes av.
Coggins, James Caswell,	A.B. (<i>Milligan College</i>) '94.	<i>Asheville, N. C.</i>	Hotel Montrose, 62d and Madison av
Coon, Daniel Israel,	A.B. (<i>State University of Iowa</i>) '89. 2½.	<i>Osage, Ia.</i>	6126 Wharton av.
Crawford, Jerry Tinder,	L.B. (<i>Ottawa University</i>) '92.	<i>La Bette City, Kans.</i>	141 D.
Cressey, Frank Graves,	A.B. (<i>Brown University</i>) '91. 4½.	<i>Los Angeles, Cal.</i>	133 D.
Criswell, John Marion,	A.B. (<i>Denison University</i>) '92. 5.	<i>S. Kirtland, O.</i>	136 D.
Davidson, Robert Bailey,	A.B. (<i>Bucknell University</i>) '94.	<i>Paterson, N. J.</i>	121 D.
Dye, Friend Taylor,	A.B. (<i>Marietta College</i>) '91.	<i>Lockhart's Run, W. Va.</i>	573 E. 61st st.
Eaton, William Henry,	A.B. (<i>Ottawa University</i>) '93. 2½.	<i>Ottawa, Kans.</i>	140 D.
Ewing, Addison Alvord,	A.B. (<i>Amherst College</i>) '92. 1½.	<i>Danvers, Mass.</i>	147 D.
Farr, Finis King.	C.E. (<i>Cumberland University</i>) '89; D.B. (<i>Ibid.</i>) '94. 1.	<i>Kansas City, Mo.</i>	53 D.
Fisk, Henry Alfred,	L.B. (<i>University of California</i>) '91. 5½.	<i>St. Charles.</i>	144 D.
Fletcher, Charles Wesley,	A.B. (<i>Wheaton College</i>) '92. 2½.	<i>Chicago.</i>	127 D.
Ford, John Elijah,	(<i>Beloit College Academy</i>) '91. 8.	<i>Chicago.</i>	57 D.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. 7.	<i>Chicago.</i>	5423 Monroe av.
Georges, Mooshie,	(<i>Oroomiah College, Persia</i>). 4.	<i>Oroomiah, Persia.</i>	110 D.
Goodman, Alfred Ebenezer,	A.B. (<i>Ottawa University</i>) '91. 5.	<i>Antrim, Kans.</i>	132 D.
Guard, Paul,	Th.B. (<i>Oberlin</i>) '93. 4.	<i>Cleves, O.</i>	5825 Kimbark av.
Haigazian, Armenag,	A.B. (<i>Central Turkey College, Aintab, Turkey</i>) '89.	<i>Hadjin, Turkey.</i>	96 D.
Halbert, William Chase,	A.B. (<i>La Grange College</i>) '92. 4.	<i>Plymouth.</i>	66 D.
Hanson, Howland,	A.B. (<i>Princeton College</i>) '92. 3.	<i>Chicago.</i>	1303 Jackson st.
Haston, Jesse Bascom,	(<i>Texas State Normal School</i>).	<i>Santa Rosa, Cal.</i>	5728 Rosalie ct.
Hendrick, Harmon Ellsworth,	<i>Chicago Theological Seminary.</i> 1.	<i>Walton, N. Y.</i>	132 D.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Henry, Leroy,	M.D. (<i>Medical College of Indiana</i>) '93.	Jasonville, Ind.	
Herrick, Julien Avery,	S.B. (<i>La Grange College</i>) '92. 5.	La Grange, Mo.	
Herring, Charles,	A.B. (<i>Franklin College</i>) '94.	Michigan City, Ind.	114 D.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. 8.	Pavilion.	Fernwood.
Hicks, Franklin Benjamin,	A.B. (<i>Beloit College</i>) '85. 2.	Wayne.	Wayne.
Hobbs, Ralph Waller,	A.B. (<i>Shurtleff College</i>) '94.	Delavan, Wis.	137 D.
Howard, Harry,	A.B. (<i>Trinity College</i>) '91. 8½.	Chicago.	5548 Ingleside av.
Howard, Walter Simon,	A.B. (<i>University of Rochester</i>) '91. 2½.	Port Huron, Mich.	122 D.
Hurley, Hugh Henry,	(<i>Woodstock College, Ontario</i>). 4.	Chater, Man.	44 D.
Jackson, Francis Chester R.,	A.B. (<i>Brown University</i>) '94.	Delavan, Wis.	137 D.
Jamison, David Lee,	A.B. (<i>University of West Virginia</i>) '83; LL.B. (<i>Ibid.</i>) '90.	Parkersburg, W. Va.	35 D.
Jones, Abe Chester,	LL.B. (<i>Vanderbilt University</i>) '89.	Little Rock, Ark.	75 D.
Jones, Haydn Evan,	A.B. (<i>Richmond College</i>) '90; D.B. (<i>Crozer Theological Seminary</i>) '93.	St. Clair, Pa.	128 D.
Jones, Henry Farrar,	(<i>Ottawa University</i>) '91. 5.	Berdena, Kans.	6220 Oglesby av.
Kingsley, Floris Winton,	A.B. (<i>Ottawa University</i>) '93. ½.	Stockrange, Kans.	141 D.
Kinney, Edwin Bruce,	A.B. (<i>Denison University</i>) '92. 4¾.	Plano, Ill.	134 D.
Kjellin, John August,	A.B. (<i>Ottawa University</i>) '94.	Garrison, Kans.	141 D.
Lemon, Charles Augustus,	A.B. (<i>Colgate University</i>) '92. 5.	Attica, N. Y.	142 D.
Lisk, Charles Wayland,	A.B. (<i>Brown University</i>) '90; (<i>Rochester Theological Seminary</i>) '93.	Bordentown, N. J.	134 D.
Lockhart, John Moses,	L.B. (<i>Denison University</i>) '92. 5½.	Harvey.	Harvey.
Logan, William Clark,	A.B. (<i>Lincoln University</i>) '78; (<i>Chicago Theological Seminary</i>).	Chicago.	South Lynne.
Matzinger, Philip Frederick,	(<i>Princeton Theological Seminary</i>). 1.	Chicago.	58 D.
McKinney, Everson Ryder,	L.B. (<i>University of Minnesota</i>) '87. 1½.	Rochelle.	91 D.
Mebane, William Nelson,	A.B. (<i>Davidson College</i>) '83. 1.	Greensboro, N. C.	60 D.
Meigs, Robert Vonn,	A.B. (<i>Indian University</i>) '94. 1.	Siloam Springs, Ark.	76 D.
Murray, Charles Henry,	A.B. (<i>William Jewell College</i>) '91. 1.	Kansas City, Mo.	144 D.
Myhrmann, David Vilhelm,	(<i>Baptist Theological Seminary, Sweden</i>). 5.	Stockholm, Sweden.	73 D.
Newcomb, Arthur F.,	A.B. (<i>Acadia University</i>) '92. 3.	Wolfville, N. S.	539, 35th st.
Patchell, William Trimble,	(<i>Oberlin College</i>).	Chicago.	7522 Kimbark av.
Patrick, Bower Reynolds,	A.B. (<i>William Jewell College</i>). 2.	Hannibal, Mo.	70 D.
Peterson, William August,	D.B. (<i>Morgan Park Theological Seminary</i>) '90. 5.	Chicago.	97 D.
Purinton, Harry Edward,	A.B. (<i>Colgate University</i>) '94.	Buffalo, N. Y.	90 D.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '92. 3.	St. Paul, Minn.	5825 Kimbark av.
Rapp, John Jacob,	B.D. (<i>Garrett Biblical Institute</i>) '90. 1.	Chicago.	49 D.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. 8.	Berwick, Nova Scotia.	128 D.
Rhapstock, Franklin Charles,		Marengo.	69 D.
Rhodes, Jesse Cassandra,	A.B. (<i>Franklin College</i>) '92. 5.	Rensselaer, Ind.	5550 Drexel av
Rocén, Johan,	(<i>Swedish Theological Seminary, Morgan Park</i>) '92. 2½.	Chicago.	94 D.
Rogers, Patrick Simkins,	A.B. (<i>Mississippi College</i>) '91.	Pachuta, Miss.	D.
Sanders, James Franklin,	A.B. (<i>Furman University</i>) '92. 5½.	Saluda, S. C.	93 D.
Says, William Christopher,	A.B. (<i>Wilmington College</i>); A.M. (<i>Haverford College</i>). 1.	Wilmington, O.	5733 Ingleside av.
Schub, Frederick Otto,	A.B. (<i>Bucknell University</i>) '94.	Sharon, Pa.	D.
Smith, Arthur Sherman,	A.B. (<i>Pomona College</i>) '94.	Pomona, Cal.	145 D.
Snow, Ralph Rensselaer,	A.B. (<i>Bucknell University</i>) '94.	Franklin, Pa.	74 D.
Spickler, Henry Martin,	(<i>Mt. Morris Academy</i>) '94. 1.	Polo.	54 D.
Spooner, William Silas,	A.B. (<i>Amherst College</i>) '94.	Franconia, N. H.	94 D.
Stark, Stephen,	A.B. (<i>Colby University</i>) '92.	Waterville, Me.	131 D.
Starkweather, Earnest Edward,	A.B. (<i>Ottawa University</i>) '91.	Clay Centre, Kans.	Englewood Y.M.C.A.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). 3¾.	City of Mexico, Mexico.	145 Oakwood boul.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Stilwell, Henry Colby,	S.B. (<i>Denison University</i>).	Dayton, O.	145 D.
Taylor, William Brooks,	A.B. (<i>Kentucky University</i>) '93. 1½.	Lexington, Ky.	79 Lincoln av.
Tustin, Paul,	A.B. (<i>Bucknell University</i>) '91. 1½.	Bloomsburg, Pa.	121 D.
Varney, Edgar Dow,	A.B. (<i>Bates College</i>) '88. 2½.	Fort Collins, Colo.	6126 Wharton av.
Vosburgh, Homer Jerome,	A.B. (<i>Colgate University</i>) '86; A.M. (<i>Ibid.</i>) '93.	Chicago.	535 Normal Park way.
Waldo, William Albergince,	Th.B. (<i>Morgan Park Theological Seminary</i>) '92. Ph.B. (<i>Des Moines College</i>) '93. 5.	Drayton, N. Dak.	Auburn Park.
Watson, Arthur Tilley,	A.B. (<i>Colby University</i>) '91. 3½.	Oakland, Me.	151 D.
Wilkin, William Arthur,	A.B. (<i>Denison University</i>) '93. 2.	New Market, O.	69 D.
Williams, Milton Bryant,	A.B. (<i>Northwestern University</i>) '94.	Chicago.	2426 W. Ohio st.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. 5½.	Maywood.	5825 Kimbark av.
Wood, Joel Franklin,	S.B. (<i>Franklin College</i>) '90. 4½.	Smithfield, O.	120 D.
Wood, William Robert,	(<i>University of Colorado</i>). 5½.	Chicago.	6231 Sheridan av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; (<i>Crozer Theological Seminary</i>) '89. 4.	Philadelphia, Pa.	146 D.
Wright, George Clarence,	A.B. (<i>Denison University</i>) '93. 2.	Chicago.	449, 55th st.
Wyant, Andrew Robt. Elmer,	A.B. (<i>Bucknell University</i>) '92. 6.	Adrian, Pa.	112 D.
		TOTAL, 108.	

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Allen, Hiram Howard,	(<i>Cedar Valley Seminary</i>). 2½.	Bassett, Neb.	302 E. 41st st.
Berry, Henry Havelock,	(<i>Hebron Academy</i>) '85. 2½.	West Sumner.	
Brigge, Daniel Judson,		Red Oak, Ia.	43 D.
Carrol, Robert,	(<i>Private School, Zenorville, Ia.</i>). 4½.	Chicago.	751 Herndon st.
Case, Frank Almerian,	(<i>Georgetown College</i>) '88. 4.	Waterman.	64 D.
Claypool, Addison Knox,	(<i>Grove City College.</i>) ½	North Buffalo, Pa.	45 D.
Coggins, Pearl Washburn,	(<i>Ottawa University</i>).	Ottawa, Kans.	63d st. & Madison av.
Dent, Joseph Croft,	(<i>Bible Institute, Chicago</i>) '91. 3.	Earville.	39 D.
Dexter, Stephen Byron,	(<i>Bible Institute, Chicago</i>). '90. 4½.	Chicago.	80 Institute place.
Fradenburg, Mary Hendee,	(<i>Fredonia Normal School</i>).	Stockton, N. Y	5496 Ellis av.
Fradenburg, John Victor,	(<i>Woodstock College</i>). 3½.	Upper, Ontario.	5496 Ellis av.
Giblett, Thomas John,	(<i>East London Institute, London, England</i>).	Pavilion.	79 D.
Gill, Theophilus Anthony,	(<i>Princeton College</i>) '83. 4.	West Park-on-the-Hudson, N. Y.	56 D.
Hatch, Elmer Ellsworth,	(<i>California College.</i>) 4½.	Lafayette, Cal.	143 D.
Henry, Leroy,	M.D. (<i>Medical College of Indiana</i>).	Jacksonville, Ind.	
Hoover, Wilson Gardner,	(<i>Denison University</i>)	Newark.	66 D.
Hoyt, John Lewis,	(<i>Hamilton College</i>) '93. 1½.	Sennett, N. Y.	5492 Ellis av.
Huckleberry, John Fields,	(<i>Ottawa University</i>).	Mentone, Ind.	56 D.
Jordan, Elijah John,	A.B. (<i>Dalhousie University</i>) '91.	Bridgetown, N. S.	
Lockwood, Clarence H.,	(<i>Des Moines College</i>). 2½	Coldwater, Ia.	5558 Drexel av.
Lockwood, Emma L.,	(<i>Des Moines College</i>). 2.	Coldwater, Ia.	5558 Drexel av.
Mason, George Claude,	(<i>High School, Jacksonville, Ill.</i>). 3½.	Mason City, Ia.	5524 Ingleside av.
McDonald, Ephraim Harvey,	(<i>Bucknell University</i>). 3½.	Detroit, Mich.	109 D.
Montague, John Y.,	(<i>National Normal University.</i>) ½	Pratt, Kan.	68 D.
Morgan, Jennie Chaille,	(<i>Franklin College</i>). 2½.	Chicago.	5558 Drexel av.
Patchell, Eliza Helen C.,	(<i>Villa Marie Convent, Montreal</i>).	Chicago.	5722 Drexel av.

THE QUARTERLY CALENDAR.

NAME.	DEGREE ; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Perkins, Charles Alonzo,	(<i>Illinois State Normal University</i>).	<i>Normal.</i>	6526 Ellis av.
Robinson, Charles Wirt,	(<i>Cook Academy</i>). 3½.	<i>North Hector, N. Y.</i>	45 D.
Schlamann, Earnest Alfred,	(<i>Indiana State Normal School</i>). 4½.	<i>Terre Haute, Ind.</i>	88 D.
Schlosser, Thomas Franklin,	S.B. (<i>South Dakota Agricultural College</i>) '92. 1.	<i>Marion, S. Dak.</i>	70 D.
Shoemaker, William Ross,	S.B. (<i>Iowa State Agricultural College</i>).	<i>Muscatine, Ia.</i>	147 D.
Smith, Charles Houston,	(<i>Michigan State Normal School</i>). 2½.	<i>Chicago.</i>	51 D.
Speicher, John Gabriel,	M.D. (<i>University of Iowa</i>) '83. 5.	<i>Hudson, Ia.</i>	411, 57th st.
Stairs, Walter,	(<i>Yale University</i>).	<i>Hammond, Ind.</i>	
Stucker, Edwin Stanton,	(<i>Ottawa University</i>) ; (<i>Morgan Park Theological Seminary</i>). 4.	<i>Aurora.</i>	87 D.
Summers, Marshal Aaron,	(<i>Denison University</i>) '93. 2½.	<i>Hinckley.</i>	65 D.
Vreeland, Charles Frank,	(<i>Michigan State Normal School</i>). 4.	<i>Michigan City, Ind.</i>	47 D.
West, John Sherman,	S.B. (<i>Massachusetts Agricultural College</i>) '90. 3½.	<i>Belchertown, Mass.</i>	57 D.
Witt, Stephen,	(<i>Hulme Cliff College</i>) '93. 2.	<i>Lyndhurst Hauts, Eng.</i>	62 D.
Yousephoff, Phineas Joachim,	(<i>Cliff College, England</i>). 1.	<i>Odessa, Russia.</i>	6126 Wharton av.
		TOTAL, 40.	

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Andersen, Andrew,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Andersen, Hans Peter,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Arnsbach, Christian Nielsen,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Bentson, Samuel,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Helena, Mont.</i>
Christiansen, Christian George,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Racine, Wis.</i>
Christensen, Rasmus,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Montreal, Can.</i>
Hanson, Bertel,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Brookings, S. D.</i>
Holm, Fredrik Theodor,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Bornholm, Denmark.</i>
Jakobsen, Bertinus,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Valley City, N. D.</i>
Jakobsen, Hans Jakob,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Racine, Wis.</i>
Johnson, Abraham L.,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Oconomowoc, Wis.</i>
Knutson, Dorothea Maren,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Fargo, N. D.</i>
Kristoffersen, Sören,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Tromsø, Norway.</i>
Larsen, Christen,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Aurora, Ill.</i>
Larsen, Jakob,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Trondhjem, Norway.</i>
Larsen, Nils,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Berton, S. D.</i>
Nelson, Martin,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Alden, Minn.</i>
Nielsen, James Peter,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Kasson, Minn.</i>
Olsen, Olaf Martin,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Overgaard, Peder Pedersen,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Bjarkø, Norway.</i>
Rasmussen, Lars,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Berton, S. Dak.</i>
Skotheim, Oluf,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Berton, S. D.</i>
Sether, Hans Hansen,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Lakefield, Minn.</i>
Westergaard, Annie,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Walnut, Ia.</i>
Wik, Konrad Johnson,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Trondhjem, Norway.</i>
		TOTAL, 25.

THE SWEDISH THEOLOGICAL SEMINARY.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Aldén, Carl Alfred,	(Morgan Park Scandinavian Academy.)	Omaha, Neb.
Anderson, Carl Adolf,	(Morgan Park Theological Seminary.)	Ironwood, Mich.
Anderson, Anton August,	(Morgan Park Scandinavian Academy.)	Alexandria, Minn.
Bäcklund, Lars Magnus,	(Morgan Park Scandinavian Academy.)	Arlington, N. J.
Björkquist, Emanuel,	(Morgan Park Scandinavian Academy.)	St. Paul, Minn.
Burgason, Andrew Magnus,	(Bryant Business College.)	Stromsburg, Neb.
Calmér, Theodor Herman,	(Morgan Park Scandinavian Academy.)	Evanston, Ill.
Carlson, John Amandus,	(Morgan Park Scandinavian Academy.)	New York, N. Y.
Carlson, Martin,	(Morgan Park Theological Seminary.)	Chicago.
Carlson, Oscar F.,	Special (Central Bible Seminary.)	Galesburg.
Carlson, Sven Gustaf,	(Morgan Park Scandinavian Academy.)	Swea, Ia.
Clint, Rudolf Anton,	(Morgan Park Scandinavian Academy.)	Jamestown, N. Y.
Dahlén, Carl Olaf,	(Morgan Park Scandinavian Academy.)	Moline.
East, Erik Hjalmar,	(Public School.)	Portland, Ore.
Erikson, Bennet,	(Morgan Park Scandinavian Academy.)	Grove City, Minn.
Gordh, Gustaf Arvid,	(Dr. Gordon's Mission School.)	Brooklyn, N. Y.
Johnson, Gustaf Adolf,	(Morgan Park Scandinavian Academy.)	Manistique, Mich.
Johnson, John Daniel,	(Morgan Park Scandinavian Academy.)	Litchfield, Minn.
Kumlin, Axel Nikodemus,	(Dr. Gordon's Mission School.)	Brooklyn, N. Y.
Lagerquist, Arvid,	(Morgan Park Scandinavian Academy.)	Englewood.
Lindberg, Erik Alfred,	(Morgan Park Scandinavian Academy.)	New York, N. Y.
Lindström, Gustaf Wilhelm,	(Morgan Park Scandinavian Academy.)	Waterbury, Conn.
Lovene, Peter,	(High School.)	Red Wing, Minn.
Nelson, Nels,	(Morgan Park Scandinavian Academy.)	Minneapolis, Minn.
Nelson, Swaney August,	(Morgan Park Scandinavian Academy.)	Minneapolis, Minn.
Nylén, Carl Emil,	(Morgan Park Scandinavian Academy.)	Kansas City, Mo.
Nylin, Johan David,	(Morgan Park Scandinavian Academy.)	New Britain, Conn.
Oberg, Carl E.,	(Morgan Park Scandinavian Academy.)	Chicago.
Olson, Erik Walfrid,	(Bryant Business College.)	Stromsburg, Neb.
Olson, Lewis Ernest,	(Morgan Park Scandinavian Academy.)	Forest City, Ia.
Paulson, Adolf,	(Public School.)	St. Paul, Minn.
Peterson, Frans August,	(Morgan Park Scandinavian Academy.)	Kansas City, Mo.
Rosenlund, Martin Anderson,	(Morgan Park Scandinavian Academy.)	Englewood.
Sandell, Victor,	(Morgan Park Scandinavian Academy.)	Iron River, Mich.
Scott, Carl Gustaf,	(Morgan Park Scandinavian Academy.)	Boston, Mass.
Wallman, Carl Linus,	(Morgan Park Scandinavian Academy.)	Altona.
Widén, Oscar Carl,	(Public School.)	New Sweden, Me.

TOTAL, 37.

NOTE.—The Students of the Dano-Norwegian and of the Swedish Theological Seminary reside in Walker Hall, Morgan Park, Ill.

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THE UNIVERSITY COLLEGES.

NOTE.—The numerals which follow the name of the Collegiate degree for which the student is registered, indicate the number of majors with which the University College student has been credited.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Barnard, Harrison B.,	A.B., 22½.	Wooster University.	Englewood.	510, 62d st.
Beatty, Maria,	A.B., 25.	Lake High School.	Chicago.	4444 Emerald av.
Boomer, Jennie Kathryn,	Ph.B., 29½.	University of Michigan.	Chicago.	353 East 46th st.
Brandt, Berkeley,	A.B., 28½.	Allen's Academy.	Chicago.	1316 Michigan av.
Caraway, Henry Reat,	Ph.B., 20.	Northwestern University.	Tuscola.	5743 Rosalie ct.
Carpenter, Paul Fant,	Ph.B., 25.	Coe College.	Cedar Rapids, Ia.	5620 Ellis av.
Castle, Mary,	Ph.B., 33½.	Bucknell University.	Alexandria, O.	5440 Monroe av.
Chollar, Wilbur Thomas,	S.B., 20½.	Carleton College.	Redwood Falls, Minn.	5748 Kimbark av.
Clark, Faith Benita,	Ph.B., 24.	Rockford Seminary.	Rockford.	Colonial Hotel.
Cook, Agnes Spofford,	A.B., 21.	Wellesley College.	Normal.	23 F.
Curtis, John Birdsey,	A.B., 23.	University of Michigan.	Chicago.	7437 Nutt av.
Dougherty, Mabel,	A.B., 28½.	University of Michigan.	Peoria.	14 F.
Eastman, Frederick Wilson,	A.B., 23.	University of Rochester.	Pearl Creek, N. Y.	Oglesby av. and 61st st.
Foye, Charlotte Henderson,	A.B., 27.	Lawrence University.	Chicago.	422, 34th st.
Furness, Mary,	A.B., 19.	Lyons High School.	Chicago.	5609 Jackson av.
Gale, Henry Gordon,	A.B., 19.	Aurora High School.	Aurora.	5745 Rosalie ct.
Gettys, Cora Margaret,	A.B., 18.	Morgan Park Academy.	Chicago.	5855 Wright st.
Gilpatrick, Rose Adelle,	Ph.B., 21.	Colby University.	Hallowell, Me.	41 B.
Hay, Mary,	Ph.B., 26.	Buller University.	Englewood.	5626 Jefferson av.
Heil, John Henry,	A.B., 25½.	Northwestern University.	Chicago.	3818 Rhodes av.
Hobart, Ralph Hastings,	S.B., 23.	Beloit College.	Chicago.	5110 East End av.
Hoebeke, Cornelius James,	A.B., 26.	Kalamazoo College.	Kalamazoo, Mich.	5622 Ellis av.
Hopkins, Frances Inez,	Ph.B., 23.	Wellesley College.	Pueblo, Col.	47 F.
Howard, Harry Cooper,	Ph.B., 27½.	Kalamazoo College.	Kalamazoo, Mich.	5748 Kimbark av.
Hughes, Robert Lee,	A.B., 23.	Mount Hermon School, Massachusetts.	Prospect, N. Y.	57th and Madison av.
Hulshart, John,	A.B., 18.	Peddie Institute, N. J.	Farmingdale, N. Y.	46 Sn.
Hunt, Esther D.,	A.B., 27.	Penn College.	Oskaloosa, Ia.	5724 Drexel av.
Hunter, John Franklin,	A.B., 32½.	University of Toronto.	Minto, N. D.	28 Sn.
Jone, Hugo,	S.B., 33.	Real Gymnasium, Rawitsch.	Chicago.	5620 Ellis av.
Karpen, Julius,	Ph.B., 20.	University of Illinois.	Chicago.	36 Potomac av.
Klock, Martha Frances,	A.B., 19.	Smith College.	Oneida, N. Y.	43 B.
Lambert, Lillian Vitalique,	S.B., 32.	Penn College, Ia.	What Cheer, Ia.	5723 Drexel av.
Leiser, Joseph,	Ph.B., 28½.	University of Rochester.	Rochester, N. Y.	51 Sn.
Lewis, Mary Catherine,	A.B., 27.	University of Michigan	Chicago.	5605 Madison av.
Lewis, Susan Whipple,	A.B., 27.	University of Michigan.	Chicago.	5605 Madison av.
Looney, Belle Eugene,	A.B., 29½.	Trinity University.	Farmersville, Tex.	6011 Ellis av.
Luttrell, Estelle,	A.B., 20.	Christian University.	Canton, Mo.	5541 Cottage Grove av.
Mathews, John Lathrop,	A.B., 21½.	Mass. Inst. of Technology.	Evanston.	1403 The Auditorium.
McClintock, Samuel Sweeney,	Ph.B., 20.	Kentucky University.	Lexington, Ky.	5745 Madison av.
Minard, Frederick Horace,	S.B., 22½.	Drury College.	Chicago.	Hotel Barry.
Moffatt, William Eugene,	A.B., 19½.	No. Division High School.	Chicago.	6040 Washington av.
Moore, John Howard,	A.B., 30½.	Oskaloosa College.	Cawker City, Kans.	5496 Ellis av.
Moran, Thomas William,	Ph.B., 30½.	University of Michigan.	Chicago.	4710 Vincennes av.
Murphy, Henry Constance,	Ph.B., 34.	University of Notre Dame.	Woodstock.	5700 Kimbark av.
Oeschger, William,	A.B., 29.	Cotner University.	Valparaiso, Neb.	623, 55th st.

RECORDS.

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NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Packer, Anna Sophia,	A.B., 26¼.	Oberlin College.	Chicago.	558, 55th st.
Pierce, Lucy Frances,	A.B., 27¼.	Vassar College.	Chicago.	4847 Grand boul.
Raycroft, Joseph Edward,	A.B., 19.	Worcester Academy, Mass.	Boston, Mass.	21 Sn.
Robinson, Irene Elizabeth,	A.B., 27.	Vassar College.	Englewood.	5492 Lexington av.
Rogers, May Josephine,	Ph.B., 33.	University of Michigan.	Chicago.	5657 Cottage Grove av.
Roosa, Howard,	A.B., 29.	Yale University.	Rosendale, N. Y.	5700 Kimbark av.
Sass, Louis,	Ph.B., 20.	W. Division High School.	Chicago.	24 G.
Schnelle, Friedrich Oscar,	S.B., 27.	Real Gymnasium, Lands- hut (Germany).	Görlitz, Germany.	30 Sn.
Scovel, Louise Claire,	Ph.B., 24¼.	Wooster University.	Chicago.	3745 Ellis av.
Sherman, Franklyn Cole,	A.B., 25.	Cornell College.	Chicago.	3724 Ellis av.
Sherwin, Annette,	A.B., 21¼.	Wellesley College.	Denver, Col.	11 F.
Strawn, Myra Hartshorn,	A.B., 25.	Smith College.	LaSalle.	13 B.
Swarte, Lawrence James de,	A.B., 28.	Beloit College.	Milwaukee, Wis.	580, 60th st.
Tanaka, Kiichi,	A.B., 31.	Kentucky University.	Tokio, Japan.	30 Sn.
Todd, Elmer Ely,	A.B., 21¼.	Morgan Park Academy.	Dixon.	5537 Lexington av.
Van Vliet, Alice,	A.B., 22.	So. Division High School.	Chicago.	351, 58th st.
Webster, Ralph Waldo,	Ph.B., 26.	Monmouth College.	Monmouth.	5745 Roslie ct.
Williams, John William,	Ph.B., 28¼.	Cornell College.	Norwood Park.	62 Sn.
Williston, Frances Greenwood,	A.B., 20¼.	So. Division High School.	Elmhurst.	5646 Monroe av.
Woods, Frank William,	A.B., 24¼.	Colorado College.	Colorado Springs, Colo.	5726 Monroe av.

TOTAL, 65.

ws 25

THE ACADEMIC COLLEGES.

NOTE.—The numerals which follow immediately upon the name of the Collegiate degree for which the student is registered indicate the number of majors with which the student is credited in the Academic Colleges; in cases where a second numeral is added, it indicates the number of University College majors which the Academic College student has acquired.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abbott, Walter Hazelton,	- S.B., 11, 1.	<i>Pennington Seminary.</i>	<i>Camden, N. J.</i>	5802 Jackson av.
Abernethy, Herbert Alonzo,	A.B.	<i>Des Moines College.</i>	<i>Osage, Ia.</i>	43 Sn.
Adams, Victoria Anna,	A.B., 15, 8.	<i>Wellesley College.</i>	<i>Chicago.</i>	The Colonies Hotel.
Adkinson, Henry Magee,	A.B., 15.	<i>Englewood High School.</i>	<i>Chicago.</i>	5552 Wentworth av.
Agerter, Harriet Coe,	A.B., 15, 2.	<i>Morgan Park Academy.</i>	<i>Lima, O.</i>	23 B.
Allen, William Harvey,	A.B., 9.	<i>Carleton College.</i>	<i>Le Roy, Minn.</i>	5746 Jackson av.
Alschuler, Leon,	Ph.B., 9¼.	<i>South Division High School.</i>	<i>Chicago.</i>	2216 Wabash av.
Anderson, Eva Ellen,	Ph.B., 1.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5522 East End av.
Anderson, Swen Benjamin,	Ph.B.	<i>Northwest Div. High School.</i>	<i>Chicago.</i>	882 Shober st.
Apps, Sarah Elizabeth,	Ph.B., 6.	<i>South Side School.</i>	<i>Chicago.</i>	2551 South Park av.
Arnold, Oswald James,	Ph.B., 15, 2¼.	<i>No. Division High School.</i>	<i>Chicago.</i>	24 Maple st.
Atwood, Harry Fuller,	A.B., 11¼.	<i>Morgan Park Academy.</i>	<i>Hay City, Kans.</i>	580, 60th st.
Atwood, Wallace Walter,	Ph.B., 14, 3¼.	<i>W. Division High School.</i>	<i>Chicago.</i>	4531 Forestville av.
Averill, Lulu,	Ph.B., 1.	<i>Iowa College.</i>	<i>Chicago.</i>	6351 Peoria st.
Bachellé, Cecil V.,	- S.B., 11.	<i>Chicago Academy.</i>	<i>Chicago.</i>	44 Sn.
Bachman, Frank Puterbaugh,	A.B., 9, 3.	<i>Illinois State Normal Univ.</i>	<i>Mackinaw.</i>	5701 Drexel av.
Baird, Mary Brooks,	A.B., 15.	<i>Southern Kansas Academy.</i>	<i>Eureka, Kans.</i>	5815 Madison av.
Baker, Edward Max,	A.B.	<i>Erie High School</i>	<i>Erie, Pa.</i>	3612 Grand boul.
Baker, Georgia Cary,	Ph.B., 15, 1¼.	<i>Cornell University.</i>	<i>Harrisville, N. Y.</i>	5316 Jefferson av.
Baldwin, Ann,	A.B., 4, 1¼.	<i>The South Side School.</i>	<i>Chicago.</i>	Woodlawn Park.
Ball, Florence Fielding,	Ph.B.	<i>Geneseo High School.</i>	<i>Joliet.</i>	584, 60th st.
Ball, Helen H.,	Ph.B.	<i>Geneseo High School.</i>	<i>Joliet.</i>	584, 60th st.
Ballou, Susan Helen,	Ph.B., 14.	<i>Saint Katharine's Hall.</i>	<i>Davenport, Ia.</i>	
Barrett Charles Raymond,	Ph.B., 9.	<i>Saratoga High School.</i>	<i>Saratoga Springs, N. Y.</i>	5726 Monroe av.
Bassett, Wilbur Wheeler,	Ph.B., 10.	<i>Harvard College.</i>	<i>Chicago.</i>	5208 Kimbark av.
Beach, Clinton Stilwell,	- S.B., 6.	<i>Chicago Preparatory School.</i>	<i>Chicago.</i>	57 Bryant av.
Beers, Arthur Edward,	Ph.B.	<i>South Division High School.</i>	<i>Chicago.</i>	3403 Paulina st.
Beers, Ethel Ella,	A.B.	<i>South Division High School.</i>	<i>Chicago.</i>	3414 S. Paulina st.
Bell, Glenrose M.,	Ph.B., 16.	<i>Ferry Hall, Lake Forest.</i>	<i>Chicago.</i>	5810 Washington av.
Bennett, Lucy Lovejoy,	A.B., 14.	<i>Evanston High School.</i>	<i>Evanston.</i>	5613 Washington av.
Bishop, William Reed,	Ph.B., 9¼, 1¼.	<i>N. Y. State Normal School.</i>	<i>Oswego, N. Y.</i>	5737 Kimbark av.
Bliss, Charles King,	A.B., 11¼.	<i>Morgan Park Academy.</i>	<i>Longwood.</i>	Longwood.
Bliss, Gilbert Ames,	- S.B., 9.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4528 Lake av.
Bond, William Scott, Jr.,	Ph.B., 8.	<i>Preparatory, Beloit College.</i>	<i>Chicago.</i>	4025 Drexel boul.
Bredden, Waldo,	Ph.B., 8¼.	<i>Jamestown High School, N. Y.</i>	<i>Santa Fe, N. M.</i>	Sn.
Broek, Herman John,	A.B., 8.	<i>Hope College.</i>	<i>South Holland.</i>	6840 Perry av.
Brown, Carolyn Louise,	A.B., 17, 1.	<i>Elgin High School.</i>	<i>Elgin.</i>	584 W. Adams st.
Brown, Edwin Putnam,	A.B., 14, 2.	<i>Brown University.</i>	<i>Beaver Dam, Wis.</i>	4836 Calumet av.
Brown, James Scott,	A.B., 5¼.	<i>Omaha High School.</i>	<i>Chicago.</i>	6357 Wright st.
Browne, Agnes May,	A.B. 10¼.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	Morgan Park.
Burkhalter, Mary,	A.B.	<i>Coe College.</i>	<i>Cedar Rapids, Ia.</i>	5815 Madison av.
Burns, Allen Tibbals,	A.B., 4.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5639 Washington av.
Bushnell, Charles Joseph,	Ph.B.	<i>Englewood High School.</i>	<i>Chicago.</i>	544, 59th st.
Cahn, Edgar Bernard,	A.B.	<i>The Harvard School</i>	<i>Chicago.</i>	25 Sn.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'N.	HOME ADDRESS.	PRESENT ADDRESS.
Calhoun, Fred Harvey Hall,	S.B., 2, 1.	South Side School.	Auburn, N. Y.	2236 Indiana av.
Campbell, Gavin Archibald,	A.B., 14, 4.	Williams College.	Stevens Point, Wis.	32 Sn.
Campbell, Harry B.,	Ph.B.,	Geneseo High School.	Joliet.	584, 60th st.
Campbell, John Tyler,	S.B., 12.	Washburn College, Topeka, Kans.	Cheney, Kans.	
Campbell, Joseph White,	Ph.B., 2½.	Phillips Academy, Andover, Mass.	Cambridge, O.	5748 Kimbark av.
Candee, Frances,	Ph.B., 9½.	Wells College.	Chicago.	F.
Capen, Charlotte Briggs,	Ph.B.	Illinois State Normal Univ.	Bloomington.	1 F.
Carroll, Percy Peyton,	Ph.B., 17, 5.	Hanover College.	Marion, Ind.	5700 Kimbark av.
Chace, Henry Thurston, Jr.,	S.B., 18½, 2.	Hyde Park High School.	Chicago.	5740 Rosalie ct.
Chamberlin, Elisabeth,	Ph.B., 4.	South Side School.	Chicago.	2311 Indiana av.
Chamberlin, John Clark, Jr.,	A.B., 9½.	South Side School.	Chicago.	17 G.
Clarke, Henry L.,	Ph.B., 14, 12.	So. Division High School.	Chicago.	3338 Calumet av.
Clarke, Henry Tefft, Jr.,	Ph.B., 11¼.	Williams College.	Omaha, Neb.	6357 Wright st.
Coleman, Melvin Edward,	A.B.	University of Minnesota.	Chicago.	5311 Madison av.
Coolidge, Elizabeth Teasdale,	A.B. 13, 5¼.	So. Division High School.	Chicago.	6032 Oglesby av.
Coogrove, Marion Vernon,	A.B., 8.	South Side School.	Chicago.	6315 Oglesby av.
Coy, Harry,	A.B., 2.	South Side School.	Chicago.	3934 Michigan av.
Crafts, Helen,	Ph.B., 2½.	Wellesley College.	Austin.	32 B.
Crandall, Vinnie May,	Ph.B., 7.	Kenwood Institute.	Chicago.	4443 Berkeley av.
Cullen, Charles Edward,	A.B., 1.	South Chicago High School.	South Chicago.	8908 Commercial av.
Currier, Evelyn Belle,	Ph.B., 7.	Evelyn College.	Chicago.	4725 Kimbark av.
Davis, Percy Boyd,	Ph.B., 1	Hyde Park High School.	Chicago.	241 Oakwood av.
Dearing, William Prentice,	A.B., 10.	Oakland City College.	Little, Ind.	408 E. 57th st.
Deffenbaugh, Walter,	Ph.B., 1.	University of Michigan.	South Bend, Ind.	11 Sn.
Dibell, Charles Dorrance,	A.B., 18.	Morgan Park Academy.	Joliet.	G.
Dignan, Frank Winans,	A.B., 9.	Hyde Park High School.	Chicago.	5853 Indiana av.
Dirks, Lillian Augusta,	A.B., 9½.	Jennings Seminary, Aurora.	La Grange.	37 Kl.
Dornsife, Samuel Seilor,	A.B., 8.	Morgan Park Academy.	Chicago.	521 E. 45th st.
Dougherty, Horace Raymond,	A.B., 15¼, 1½.	University of Michigan.	Peoria.	9 G.
Dougherty, Ralph Leland,	A.B., 12.	Peoria High School.	Peoria.	9 G.
Downing, Alice May,	A.B., 11.	Wellesley College.	Aurora.	50 B.
Drew, William Prentiss,	A.B., 12.	Englewood High School.	Chicago.	535, 67th st.
Dudley, Raymond Carleton,	Ph.B., 15¼, 1½.	Morgan Park Academy.	Chicago.	2613 Indiana av.
Dumke, Julia Florida,	S.B.	Morgan Park Academy.	Belle Plaine, Ia.	F.
Dunning, Willis Estey,	A.B.	Williams College.	Chicago.	5553 Wentworth av.
Durand, Herbert Cassius,	A.B., 9.	Hyde Park High School.	Chicago.	435 East 41st st.
Ebersole, Abram,	A.B., 15, 12.	University of Wisconsin.	Sterling.	2340 Indiana av.
Ebersole, Amos A.,	A.B.	Hillsdale College.	Sterling.	2340 Indiana av.
Edmonson, Samuel Boone,	A.B., 16, 11.	Kentucky University.	Chicago.	3702 Ellis av.
Eldred, Stella Rennie,	Ph.B.	Illinois State Normal Univ.	Gardner.	5622 Ellis av.
Ely, Jessie Harrison,	Ph.B., 2.	South Side School.	Englewood.	6805 Perry av.
Enelow, Hyman Gerson,	Ph.B.	Real Schl., Poneviesh, Russia.	Libau, Russia.	645 Milwaukee av.
Evans, Edward Brice,	A.B., 9.	Cook Academy.	Chicago.	986, 106th st.
Evans, Florence,	Ph.B.	Illinois State Normal Univ.	Bloomington,	15 B.
Fair, Newell Montague,	A.B.	Washburn College.	Mankato, Kans.	5326 Wabash av.
Fesler, Mayo Ralph.	Ph.B.	De Pauw University.	Morgantown, Ind.	578, 60th st.
Fish, Clarence Everett,	Ph.B.	South Division High School.	Chicago.	8 Haven st.
Fish, Leila Gladys,	Ph.B., 9.	So. Division High School.	Chicago.	3226 Calumet av.
Flanders, Knight French,	A.B., 4¼.	South Side School.	Chicago.	64, 23d st.
Flint, Nott William,	A.B., 8.	Lake Forest Academy.	Chicago.	275 E. Huron st.
Fogg, Emily,	A.B., 14, 3.	Wellesley College.	Chicago.	Kl.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Ford, Margaret,	A.B., 8.	South Side School.	Chicago.	6011 Ellis av.
Foster, Edith Burnham,	Ph.B., 14.	W. Division High School.	Chicago.	24 B.
Frazeur, Annie Laurie,	A.B., 9.	Tufts College.	Chicago.	1030 Warren av.
Freeman, Joseph Edwin,	Ph.B.	East Aurora High School.	Aurora.	36 Sn.
Freeman, Grace,	A.B., 17.	Wellesley College.	Aurora.	11 F.
Freeman, Mabel Dora,	Ph.B.	Hyde Park High School.	Chicago.	58th & Woodlawn av.
Freeman, Marilla Waite,	Ph.B., 10½.	Elmira College.	Naperville.	F.
Friedman, Joseph C.,	Ph.B., 14, 2½.	So. Division High School.	Chicago.	3916 Prairie av.
Frutchey, Marcus Peter,	A.B., 1.	Private Study.	Philadelphia.	5825 Jackson av.
Gano, Laura Campbell,	S.B., 12, 10.	Earlham College.	Richmond, Ind.	5408 Monroe av.
Garver, Roy Cyrus,	Ph.B., 10, 4.	Oberlin College.	Bloomington.	558 E. 55th st.
Gatzert, Blanche,	Ph.B., 8.	So. Division High School.	Chicago.	3628 Grand boul.
Geselbracht, Franklin Hermon,	A.B.	North Division High School.	Chicago.	257 Fremont st.
Gilchrist, Charles Chandler,	Ph.B.	Lake View High School.	Ravenswood.	2614 Commercial av.
Gleason, Fred,	S.B., 11, 4.	University of Iowa.	Englewood.	330 Chestnut st.
Goldberg, Hyman Elijah,	S.B., 12½, 12.	W. Division High School.	Chicago.	297 S. Clark st.
Goldsmith, Lillian Rosalia,	Ph.B., 4.	Chicago Academy.	Chicago.	Kl.
Goodell, Carrie May,	Ph.B., 9, 1.	Iowa College.	New York, Ia.	5763 Madison av.
Goodman, Charles Augustus,	A.B., 8.	South Side School.	Chicago.	3333 Wabash av.
Grant, Forest,	A.B., 8.	Lake Forest College.	Stevens Point, Wis.	Sn.
Graves, Eva Bronson,	Ph.B., 9.	Kenwood Institute.	Chicago.	4526 Woodlawn av.
Graves, Laura Belcher,	Ph.B., 9.	Kenwood Institute.	Memphis, Tenn.	Kl.
Graves, Paul Spencer,	A.B., 17.	Evanston High School.	Evanston.	5620 Ellis av.
Greenbaum, Julius Curtis,	Ph.B., 5.	South Division High School.	Chicago.	156, 31st st.
Griswold, Roy Coleman,	Ph.B.	South Division High School.	Chicago.	3236 Forest av.
Guthrie, Emily Wilson,	A.B., 8.	South Side School.	Chicago.	4054 State st.
Gwin, James Madison,	Ph.B., 8.	Harvard School.	Chicago.	4558 Oakenwald av.
Haft, Della May,	Ph.B., 15½.	Morgan Park Academy.	Chicago.	3145 Groveland av.
Hale, Berdena Mabel,	Ph.B., 15, 1½.	Wayland Academy.	Omro, Wis.	588, 60th st.
Hale, William Browne,	A.B.	Private Instruction.	Chicago.	4545 Drexel av.
Hamilton, Aletheia,	A.B., 15½, 12.	Ohio Wesleyan University.	Chicago.	4720 Madison av.
Hancock, Arthur,	A.B.	Johns Hopkins University.	Overton, Va.	5714 Monroe av.
Harding, Susan Grace,	A.B., 1.		Chicago.	19 B.
Harris, Juliet,	Ph.B.	West Division High School,	Chicago.	Kl.
Harris, Morton D.,	Ph.B.	West Aurora High School.	Aurora.	580, 60th st.
Hartley, Elmer Ellsworth,	A.B., 9.	Morgan Park Academy.	Gurnee.	28 Sn.
Hay, Fannie Steele,	Ph.B., 9.	Butler University.	Englewood.	5626 Jefferson av.
Hayward, Philip,	A.B.	The Harvard School.	Chicago.	4446 Woodlawn av.
Henderson, Hermann Charles,	A.B., 15, 12.	University of New Brunswick.	Andover, N. B.	578, 60th st.
Hering, Frank Earle,	Ph.B., 6.	Williamsport High School.	Williamsport, Pa.	45 Sn.
Herschberger, Clarence Bert,	A.B.	Peoria High School.	Peoria, Ill.	22 Sn.
Hessler, John Charles,	A.B., 9, 4½.	Northwestern University.	Chicago.	346, 55th st.
Hewitt, Helen Orme,	Ph.B., 4.	South Side School.	Chicago.	5535 Lexington av.
Hewitt, Henry Harwood,	A.B., 13½.	Morgan Park Academy.	Chicago.	5535 Lexington av.
Higgins, William Addison,	A.B., 15½, 6½.	Wabash College.	N. Indianapolis, Ind.	5800 Jackson av.
Hill, Elizabeth Gertrude,	A.B., 11, 11.	Mt. Holyoke Seminary.	Red Wing, Minn.	B.
Holloway, Harry Cyrus,	S.B., 10½, 6.	Chicago Manual Train- ing School.	Chicago.	3436 Prairie av.
Holton, Nina Gates,	S.B., 13, 18.	Zürich University.	Andover, Mass.	5741 Monroe av.
Hopkins, Allan,	A.B., 2.	Omaha High School.	Omaha, Neb.	717, 57th st.
Hoyt, Allen Gray,	Ph.B.	West Aurora High School.	Aurora.	580, 60th st.
Hubbard, Harry David,	A.B., 11, 10½.	Temple College.	Philadelphia, Pa.	25 G.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hubbard, Mary Laura,	Ph.B., 17, 3½.	Mt. Holyoke College.	Chicago.	6128 Lexington av.
Hurlbut, Lila Cole,	Ph.B., 16½.	Omaha High School.	Chicago.	467 Bowen av.
Hurlbutt, Wells Henry, Jr.,	A.B., 1.	Springfield High School.	Geneva, O.	5620 Ellis av.
Hutchings, Josephine L.,	Ph.B., 9.	Miss Lupton's School.	Madison, Ind.	5716 Washington av.
Hyman, Isaac Barney,	A.B., 8.	Morgan Park Academy.	Chicago.	83, 33d st.
Ickes, Harold Le Claire,	A.B., 3.	Englewood High School.	Altoona, Pa.	5552 Wentworth av.
Ide, Adelaide Melcher,	A.B., 14, 4.	Wellesley College.	Apia, Samoa.	31 B.
Jackson, Cora Belle,	A.B., 14½, 1.	Howard University,	Chicago.	5429 Jackson av.
Jackson, William Hayden,	A.B., 5.	Hyde Park High School.	Chicago.	5726 Monroe av.
Janss, Herman,	- S.B., 11½, 3½.	Northwestern University.	Chicago.	3412 Cottage Grove av.
Janssen, Ralph J.,	A.B.	Hope College.	Zeeland, Mich.	60th st. & Ellis av.
Jegi, John I.,	S.B., 14½, 2.	University of Wisconsin.	Chicago.	455, 55th st.
Jenkinson, Harriet Edith,	Ph.B., 7.	South Side School.	Newark.	410, 64th st.
Johnson, Franklin, Jr.,	A.B., 10, 11.	Harvard University.	Chicago.	Hotel Barry.
Johnson, Ralph Hiram,	A.B., 15, 1.	Kenyon Military Academy, Ohio.	Marion, Ind.	10 G.
Johnson, Victor Oscar,	A.B., 13½, 4.	Northwestern University.	Genoa, Neb.	57th and Madison av.
Jones, Nellie Lander,	Ph.B., 17, 2.	Mt. Holyoke College.	Peoria.	5417 Cottage Grove av.
Jordan, Herbert Ray,	Ph.B., 7½.	Morgan Park Academy.	Chicago.	5496 Ellis av.
Kane, Theodosia,	Ph.B., 8.	Chicago Academy.	Chicago.	18 Kl.
Keen, Ethel,	- S.B.	Mrs. Loring's School.	Chicago.	Kl.
Kellogg, Edith Sarah,	- S.B., 16½, 2½.	Iowa College.	Correctionville, Ia.	2970 Groveland av.
Kells, Mabel Avery,	A.B., 8.	Sauk Centre High School.	Sauk Centre, Minn.	14 B.
Kennedy, Jeanette,	Ph.B., 7.	Ferry Hall Seminary.	Rib Lake, Wis.	21 Kl.
Kern, William Casper,	- S.B.	West Point Military Acad.	Fort Wayne, Ind.	5802 Jackson av.
Kerr, Luella Mary,	A.B., 15, 1½.	Morgan Park Academy.	Washington, Iowa.	5417 Cottage Grove av
Kienzle, Frederick W.,	A.B., 1.	Hanover College.	Moorefield, Ind.	321, 57th st.
Klinetop, Mary,	Ph.B., 4.	Cornell Col., Mt. Vernon, Ia.	Charles City, Ia.	3058 Calumet av.
Knapp, George Nelson,	- S.B., 11½, 19½.	University of Wisconsin.	Madison, Wis.	5 Sn.
Krohn, Carrie Bertha,	Ph.B.	Smith College.	Freeport.	B.
Lackner, Edgar Cranfield,	Ph.B., 8.	University of Michigan.	Aurora.	40 Sn.
Lamay, John,	S.B. 12½, 10.	Northwestern University.	Evanston.	46 Sn.
Lansingh, Van Rensselaer,	S.B., 12½, 6½.	College of City of N. Y.	Chicago.	5109 Kimbark av.
Law, Robert, Jr.,	Ph.B., 2½.	South Side School.	Chicago.	5120 East End av.
Lenington, Nellie Blanche,	Ph.B.	South Division High School.	Chicago.	207, 36th st.
Lester, Minnie,	Ph.B.	Tuscola High School.	Tuscola.	5333 Greenwood av.
Lewis, John Simon, Jr.,	A.B., 13, 8.	Beloit College.	Dubuque, Ia.	5748 Kimbark av.
Lincoln, Grace Bartlett,	Ph.B.	West Division High School.	Chicago.	349 W. Van Buren st.
Lincoln, Mary Cain,	Ph.B.	West Division High School.	Chicago.	349 W. Van Buren st.
Lingle, Bowman Church,	A.B., 13, 1.	Morgan Park Academy.	Chicago.	3144 Vernon av.
Linn, James Weber,	A.B., 11.	Buena Vista College.	Storm Lake, Ia.	38 Sn.
Lipeky, Harry Alexander,	- S.B., 11½, 4.	Morgan Park Academy.	Chicago.	81, 31st st.
Livingston, Frederick Jacob,	Ph.B., 2.	No. Division High School.	Chicago.	5726 Drexel av.
Loeb, Ludwig,	- S.B., 14, 1.	No. Division High School.	Chicago.	Sn.
Loesch, Angie,	A.B., 6.	No. Division High School.	Chicago.	46 Lincoln place.
Lovejoy, Evelyn Mary,	A.B., 8, 1.	Wellesley College.	Chicago.	347 E. 56th st.
Lovett, William Pierce,	A.B., 2.	Des Moines College.	Davenport, Ia.	5726 Monroe av.
Lowy, Walter D.,	Ph.B., 5.	Northwestern University.	Chicago.	3626 Ellis Park.
Macomber, Charles Coombs,	Ph.B., 9.	Simpson College.	Carroll, Ia.	48 Sn.
Mandel, Edwin Frank,	A.B., 6.	Harvard School.	Chicago.	3400 Michigan av.
Manning, Grace Emma,	Ph.B.	De Pauw University.	Peru, Ind.	B.
Manning, Lucia May,	Ph.B., 8½.	De Pauw University.	Peru, Ind.	B.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'N.	HOME ADDRESS.	PRESENT ADDRESS.
Martin, H. Mabel,	Ph.B.	South Division High School.	Chicago.	3122 Rhodes av.
Maynard, Mary Dunklee,	Ph.B., 18½, 1¼.	Passar College.	Milwaukee, Wis.	17 B.
McClenahan, Henry Stewart,	S.B., 1¼.	Lake Forest College.	Macomb.	346, 56th st.
McClintock, Anna James,	Ph.B., 12, 5.	Millersburgh Female College.	Millersburgh, Ky.	Kl.
McCorkle, Wood F.,	A.B., 4.	South Side School.	Chicago.	963 Jackson Boul.
McGee, Harry Laverne,	Ph.B., 2.	South Side School.	Chicago.	1927 Indiana av.
McGillivray, Clifford Bottsford,	S.B., 11, 1.	Morgan Park Academy.	Chicago.	3727 Vernon av.
McIntyre, Moses Dwight,	A.B.	Hyde Park High School.	Milwaukee, Wis.	19 Sn.
McNeal, Edgar Holmes,	A.B., 13½, 2.	Lake Forest University.	Chicago.	7441 Victoria av.
Mentzer, John Preston,	Ph.B.	Cornell College.	Marion, Ia.	3000 Indiana av.
Merrifield, Fred,	A.B.	Ottawa High School.	Ottawa.	6220 Oglesby av.
Mighell, Jessie Curry,	Ph.B.	West Aurora High School.	Aurora.	6156 Oglesby av.
Miller, Elsie Prince,	Ph.B.	West Aurora High School.	Aurora.	B.
Miller, Ethel Dike,	Ph.B.	West Aurora High School.	Aurora.	B.
Minnick, Arthur,	A.B., 11, 2.	Englewood High School.	Chicago.	6029 Ellis av.
Mitchell, Wesley Clair,	A.B., 15, 3.	Decatur High School.	Decatur.	5442 Drexel av.
Monheimer, Milton Leonard,	A.B.	Harvard School.	Chicago.	3252 Wabash av.
Moore, Carrie Sheldon,	A.B., 13, 2¼.	Wayland Academy.	Chicago.	390, 57th st.
Moore, Ruth Ellen,	A.B.	Illinois State Normal Univ.	Bloomington.	15 B.
Morgan, Marion Sherman,	Ph.B., 14¼.	Smith College.	Chicago.	389 W. Adams st.
Morgan, Thomas S.,	A.B., 14, 3.	Bucknell University.	Chicago.	5623 Drexel av.
Mosser, Stacy Carroll,	Ph.B., 8.	Hedding College.	Abingdon.	
Neal, Edith Leavitt,	A.B.	Hyde Park High School.	Chicago.	4604 Langley av.
Neel, Carr Baker,	S.B., 11, 6.	Oakland High School, Cal.	Chicago.	3718 Ellis av.
Nelson, Jessie Louisa,	Ph.B., 7.	Columbian College, Washington, D. C.	Helena, Montana.	F.
Nichols, Frederick Day,	A.B., 14, 2.	Cedar Valley Seminary, Ia.	Osage, Ia.	27 Sn.
Noble, Jane Frances,	Ph.B., 14¼, 12¼.	University of Michigan.	Rice Lake, Wis.	3854 Rosalie ct.
Norwood, Joseph,	S.B., 2.	Furman University.	Greenville, S. C.	5800 Jackson av.
Oglevee, Nannie Gourley,	Ph.B., 5.	Wells College.	Columbus, O.	3000 Indiana av.
Osborne, Sarah Nicoll,	A.B.	Mrs. Loring's School.	Chicago.	4455 Grand boul.
Osgood, Ella Maria,	Ph.B., 9.	Oneida High School, N. Y.	Verona, N. Y.	B.
Paterson, Edward Alexander,	S.B.	De Pauw University.	Chicago.	6105 Sheridan av.
Patterson, Theodore Hiram,	A.B.	Northwestern University.	Chicago.	194, 37th st.
Payne, Walter A.,	Ph.B., 10, 11.	Missouri State Normal.	Hurdland, Mo.	578, 60th st.
Peabody, Earll William,	Ph.B., 14, 1.	Morgan Park Academy.	Chicago.	5747 Madison av.
Peirce, Alice,	A.B., 14.	University of Michigan.	Chicago.	5464 Washington av.
Perkins, Mary,	Ph.B., 9.	W. Division High School.	Chicago.	28 Kl.
Pershing, Ward Beecher,	S.B., 9.	South Side School.	Chicago.	337, 53d st.
Peterson, Harvey Andrew,	A.B., 10.	St. Louis High School.	St. Louis, Mo.	37 Sn.
Pienkowsky, Arthur Thaddeus,	A.B., 6.	Morgan Park Academy.	Chicago.	5806 Drexel av.
Pike, Charles Sumner,	A.B., 14¼, 6.	So. Division High School.	Chicago.	3908 Ellis av.
Piper, Margaret,	Ph.B.	Northwestern University.	Chicago.	3521 Bloom st.
Plant, Thomas Jefferson,	A.B., 7¼.	Lake High School.	Chicago.	3915 Dearborn st.
Pooley, William John,	Ph.B., 10½, 8.	Albion College.	Scales Mound,	5623 Drexel av.
Porterfield, Cora Maude,	A.B., 17, 5.	Illinois State Normal Univ.	Normal.	3715 Langley av.
Purcell, Margaret,	Ph.B., 16¼.	College of Emporia, Kans.	Manhattan, Kans.	Kl.
Radford, May Eugenia,	A.B., 12.	Leroy Union School, N. Y.	Buffalo, N. Y.	117, 55th st.
Rand, Philip,	Ph.B., 9.	Phillips Exeter Academy.	Chicago.	12 G.
Randall, Henry Hulbert,	S.B., 9, 4.	University of Minnesota.	St. Paul, Minn.	55th st & Ellis av.
Reddy, Mary E.,	S.B.	Morgan Park Academy.	Chicago.	3244 Indiana av.
Rice, Inez Dwight,	Ph.B.	West Division High School.	Chicago.	19 Pratt Place.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Richards, Carl Ernst,	A.B., 11, 2.	Iowa College.	Red Oak, Ia.	5837 Union av.
Richardson, William Derrick,	S.B.	Hyde Park High School.	Chicago.	4903 Madison av.
Robinson, David Moore,	A.B.	Polytechnic Institute, Brook- lyn, N. Y.	Chicago.	6636 Wright st.
Roby, Charles Foster,	Ph.B., 1½.	Notre Dame University.	Roby, Ind.	34 Sn.
Root, Martha Louise,	A.B., 16, 7.	Oberlin College.	Cambridgeboro, Pa.	B.
Rothschild, Isaac Solomon,	- S.B., 11.	W. Division High School.	Chicago.	427 Carroll av.
Rubel, Maurice,	- S.B.	South Division High School.	Chicago.	25 Sn.
Rudd, Arthur Horace,	- S.B.	West Division High School.	Chicago.	7082 S. Chicago av.
Runyon, Laura Louise,	Ph.B., 4.	Plainfield High School.	Plainfield, N. J.	40 F.
Russell, Loren Milford,	- S.B., 9, 2.	Morgan Park Academy.	Englewood.	6357 Stewart av.
Salinger, Louis,	Ph.B.	Chicago Preparatory School.	New York City.	176, 37th st.
Sampson, Marshall Emmett,	A.B., 14.	Morgan Park Academy.	Chicago.	6851 Wentworth av.
Schoenfeld, Charles Joseph,	- S.B.	South Division High School.	Chicago.	360 Oakwood boul.
Schwarz, Edith Ewing,	Ph.B., 9.	Englewood High School.	Englewood.	F.
Scott, Laura May,	A.B.	Armour Institute.	Chicago.	6754 Lafayette av.
Sealey, Grace Arabella,	A.B., 12½, 2½.	Illinois State Normal Univ.	Normal.	19 F.
Seavey, Harriet Louise,	Ph.B.	Hyde Park High School.	Chicago.	4626 Champlain av.
Shire, Millie,	Ph.B.	Chicago Academy.	Chicago.	557 Jackson av.
Shreve, Royal Ornan,	Ph.B., 3.	Illinois Wesleyan University.	Bloomington.	541, 55th st.
Shutterly, John Jay,	Ph.B.	Northwestern Academy.	Evanston.	1220 Chicago av.
Simpson, Burton Jesse,	- S.B., 11½, 1.	Morgan Park Academy.	Moline.	5442 Drexel av.
Simpson, Elmer William,	A.B.	South Side School.	Oak Lawn.	Oak Lawn.
Sincere, Victor Washington,	A.B., 7.	South Side School.	Chicago.	2974 Wabash av.
Skillin, Abbie Eola,	- S.B.	Oak Park High School.	Oak Park.	2 F.
Smith, Henry Justin,	A.B., 15½, 1½.	Morgan Park Academy.	Morgan Park.	5337 Lexington av.
Smith, Kenneth Gardner,	A.B., 17, ½.	Morgan Park Academy.	Dixon.	53 Sn.
Snite, Francis Joseph,	A.B.	West Division High School.	Chicago.	32 Sn.
Speer, Henry Dallas,	Ph.B., 15½, 7½.	Williams College.	Chicago.	5745 Rosalie ct.
Sperans, Joel,	- S.B., 14, 3.	Gymnasium, Taganrog, Russia.	Russia.	16 Sn.
Spray, Jessie Nea,	A.B.	West Division High School.	Chicago.	10 Kl.
Stagg, Stella Robertson,	A.B., 17, 2.	Albion High School (N. Y.).	Chicago.	5728 Madison av.
Steigmeyer, Frederick Frank	- S.B., 6, 2.	Buchtel College.	Attica, O.	5418 Greenwood av.
Stevens, Raymond William,	A.B., 12, 1.	South Side School.	Chicago.	483 Bowen av.
Stewart, Charles Wesley,	- S.B., 8, 4½.	Colgate University.	Hewickville.	755, 63d ct.
Stone, Harry Wheeler,	A.B., 17, 1.	So. Division High School.	Chicago.	3411 Vernon av.
Tefft, Nellie Edna,	A.B., 9.	Elgin High School.	Elgin.	38 B.
Teller, Charlotte Rose,	Ph.B.	Hyde Park High School.	Chicago.	4315 Berkeley av.
Thach, James Harmon,	A.B.	Webb's School.	Bell Buckle, Tenn.	543, 55th st.
Thomas, Mary Susan,	Ph.B., 16, 2.	Northwestern University.	Myersdale, Pa.	Students' Hall, Englewood.
Thompson, Emily Churchill,	A.B., 9.	Lake High School.	Chicago.	4457 Emerald av.
Thompson, Helen Bradford,	Ph. B., 5.	Englewood High School.	Englewood.	326 Chestnut st.
Tolman, Cyrus Fisher, Jr.,	A.B., 13½, 3.	Morgan Park Academy.	Chicago.	41 University Place.
Tooker, Robert Newton, Jr.,	A.B., 9.	University School.	Chicago.	29 Sn.
Trumbull, Donald Shurtleff,	A.B., 9.	Hyde Park High School.	Chicago.	4544 Oakenwald av.
Vaughan, Franklin Egbert,	A.B.	Englewood High School.	Chicago.	517 Englewood av.
Vaughan, L. Brent,	Ph.B., 11½, 1.	Oberlin College.	Swanton, O.	5745 Rosalie ct.
Vaughan, William Cain,	- S.B., 1.	South Side School.	Richmond, Ind.	5537 Lexington av.
Voight, John Frederick, Jr.,	Ph.B., 15, 8.	Illinois College.	Mattoon.	5622 Ellis av.
Wales, Henry Whitwell, Jr.,	Ph.B., 15.	Hyde Park High School.	Lanark.	4304 Ellis av.
Walker, Clyde Buchan,	- S.B.	Colorado Springs High School.	Colorado Springs, Col.	42 Sn.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Wallace, Emma,	A.B., 14.	Englewood High School.	Englewood.	748, 71st st.
Walling, William English,	— S.B., 11.	Hyde Park High School.	Chicago.	4127 Drexel boul.
Walls, Emma Beales,	Ph.B., 12, 3.	Northwestern University.	Chicago.	4334 Greenwood av.
Waterbury, Ivan Calvin,	Ph.B.	Hyde Park High School.	Chicago.	5475 Ridgewood ct.
Wayman, Edwin Bowen,	— S.B.	Englewood High School.	Chicago.	549 W. 61st st.
Wescott, Frank Howard,	A.B.	Illinois State Normal Univ.	Lacon.	5701 Drexel av.
White, George Louis,	A.B.	University of Omaha.	Lyons, Neb.	5509 Cottage Grove av.
Whyte, James Primrose,	A.B., 16½, 2.	Brown University.	Waukegan.	4836 Calumet av.
Wildman, Banks John,	A.B.	Ohio Wesleyan University.	Chicago.	473 W. Adams st.
Wiley, Harry Dunlap,	— S.B., 12½, 1.	Princeton High School.	Dunlap,	53 Sn.
Williams, Charles Byron,	A.B., 14.	University of Rochester.	Minneapolis, Minn.	691, 57th st.
Willis, Gwendolin Brown,	A.B., 18, 1½.	Racine Academy.	Racine, Wis.	5551 Lexington av.
Winston, Alice,	A.B., 5.	South Side School.	Chicago.	6051 Madison av.
Winston, Charles Sumner,	A.B., 11, 4½.	South Side School.	Chicago.	6051 Madison av.
Wolff, Louis, Jr.,	— S.B., 10, 2½.	Chicago Academy.	Chicago.	1319 Washingt'n boul.
Woods, William Brenton,	Ph.B., 13½, 9½.	University of Michigan.	Chicago.	395, 57th st.
Woolley, Paul Gerhardt,	— S.B., 7, 1½.	Ohio Wesleyan University.	Chicago.	5535 Cornell av.
Wright, Laura May,	A.B.	Hyde Park High School.	Chicago.	5750 La Salle St.
Yarzembki, Vladyslas,	— S.B., 8, 1.	N. W. Division High School.	Warsaw, Europe.	1061 N. Hoyne av.
Yundt, Emery Roscoe,	Ph.B., 13, 5½.	Mt. Morris College.	Mt. Morris.	5746 Jackson av.
			TOTAL, 318.	

THE UNCLASSIFIED STUDENTS.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abell, Harry Delmont,	Mt. Hermon (Northfield, Mass.)	Uxbridge, Mass.	60th st. & Wharton av
Aber, Mary Alling,	Oswego (N. Y.) State Normal School.	Chicago.	5471 Kimbark av.
Adams, Julia Regula,	Kirkland School.	Chicago.	Kl.
Aldrich, Grace D.,	Illinois State Normal University.	Normal.	5622 Ellis av.
Alvord, John Watson,	Private Instruction.	Chicago.	5203 Hubbard av.
Anderson, Esther Lowell,	Adelphi Academy (N. Y.)	Chicago.	1345 Noble av.
Austrian, Celia,	South Division High School.	Chicago.	3129 Michigan av.
Austrian, Delia,	South Division High School.	Chicago.	3129 Michigan av.
Backus, Florence,	Oberlin College.	Burlington, Ia.	828 Franklin st.
Baird, William James,	University of Colorado.	Cheyenne Wells, Col.	623, 55th st.
Bardwell, Etta May,	Northwestern Normal School.	Lorenzo.	5722 Kimbark av.
Barlow, Levi Henry,	Shurtleff College.	Delavan, Wis.	346, 56th st.
Barnes, Maude Eleanor.	Decatur High School.	Englewood.	6108 Stewart av.
Bates, Fanny.	Mrs. Cuthbert's Ladies' Seminary.	Dardenne, Mo.	538 E. 46th st.
Bean, Myra Irene,	Lyndon Institute.	Lyndon Center, Vt.	F.
Beardsley, Anna Poole,	Fem. High School, Baltimore.	Washington, Ark.	5620 Ellis av.
Berry, Maud,	Hyde Park High School.	Chicago.	5638 Madison av.
Black, Horace Webster,	Morgan Park Academy.	Chicago.	3716 Wabash av.
Bowers, Abraham,	Mt. Morris College.	St. Joseph.	5747 Lexington av.
Braam, Jacob William,	Chicago Institute of Technology.	Chicago.	82 D.
Brown, Jeannette Cadwell,	Chicago Female College.	Chicago.	4759 Calumet av.
Bull, Florence,	Racine Home School.	Racine, Wis.	F.
Butterworth, Horace,		Chicago.	537, 55th st.
Carpenter, Mary Adeline,	Drake University.	Des Moines, Ia.	7713 Winter st.
Casteel, Mary Elizabeth,	Geneseo Collegiate Institute.	Geneseo.	

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Chafin, Frances,	<i>Whitewater Normal School, Wisconsin.</i>		5513 Washington av.
Chapin, Lillian,	<i>W. Division High School.</i>	<i>Chicago.</i>	5513 Washington av.
Comstock, Louise Bates,	<i>Packer Institute, Brooklyn, N.Y.</i>	<i>Rochester, N. Y.</i>	221, 54th st.
Conrath, Mary Olive,	<i>Chautauqua University.</i>	<i>Lima, O.</i>	5408 Monroe av.
Crane, Frances,		<i>Chicago.</i>	2541 Michigan av.
Darrow, Helen Kelchner,	<i>Private Instruction.</i>	<i>Chicago.</i>	6443 Grace st.
Davenport, Mary Daniels,	<i>Sioux Falls High School.</i>	<i>Council Bluffs, Ia.</i>	F.
Davis, Jessie Fell,	<i>Illinois State Normal University.</i>	<i>Bloomington.</i>	F.
Dickerson, Spencer Cornelius,	<i>Tillotson Institute, Austin.</i>	<i>Austin, Texas.</i>	3 Sn.
Faddis, Miriam Sarah,	<i>Wisconsin State Normal School.</i>	<i>Chicago.</i>	315, 40th st.
Favor, Adelaide Miles,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	1 Madison Park.
Frankhauser, Marie K.,	<i>Ypselanti State Normal School.</i>	<i>Chicago.</i>	55, 63d st.
Fulcomer, Anna,	<i>Indiana Normal University.</i>	<i>Unalaska, Alaska.</i>	689 E. 57th st.
Gallion, Charles Horace,	<i>Illinois Wesleyan University.</i>	<i>St. Joseph.</i>	Hotel Barry.
Gauss, Julius Henry Philip,	<i>Chicago English High and Manual Training School.</i>	<i>Chicago.</i>	1967 Washington boul.
George, Abigail Matilda,	<i>Cedar Rapids High School, Iowa.</i>	<i>Chicago.</i>	5815 Madison av.
Gibbs, Caroline E.,		<i>Greeley, Col.</i>	5558 Drexel av.
Glascok, Hugh Grundy,	<i>Westminster Academy.</i>	<i>Paris, Mo.</i>	588 E. 60th st.
Goodman, Grace,	<i>Chicago High School.</i>	<i>Chicago.</i>	3359 Indiana av.
Graham, Margaret,	<i>Manchester High School.</i>	<i>Strawberry Point, Ia.</i>	6048 Oglesby av.
Gray, Charlotte C.,	<i>College of Liberal Arts, Chautauqua.</i>	<i>Albany, N. Y.</i>	16 B.
Greene, Elizabeth Elma,	<i>Vanderbilt University.</i>	<i>Battle Creek, Mich.</i>	4321 Berkeley av.
Griffith, Fannie Elizabeth,	<i>Illinois Female College.</i>	<i>Mechanicsburg.</i>	713 E. 68th st.
Hales, Earl Crayton,	<i>The South Side School.</i>	<i>Chicago.</i>	640 W. 61st st.
Hall, James Samuel,	<i>Wake Forest College.</i>	<i>Norfolk, Va.</i>	24 Sn.
Hallingby, Ole,	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	5739 Kimbark av.
Hannan, Louise Mary,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5134 Grand Boul.
Hastings, Sarah Belle,	<i>Detroit High School.</i>	<i>Detroit, Mich.</i>	F.
Hewetson, John Wallace,		<i>Chicago.</i>	Walker Museum.
Hewitt, Herbert Edmund,	<i>Massachusetts Institute of Technology.</i>	<i>Chicago.</i>	5535 Lexington av.
High, Jessie Margaret,	<i>Wells College.</i>	<i>Chicago.</i>	2021 Prairie av.
Hill, Frederick William,	<i>Englewood High School.</i>	<i>Chicago.</i>	7100 Eggleston av.
Hubbard, Elizabeth Greenwood,	<i>Wellesley College.</i>	<i>Springfield, Mass.</i>	Kl.
Hubbard, Emma Frances,	<i>Winona State Normal.</i>	<i>Chicago.</i>	6128 Lexington av.
Hurlburt, David Guy,	<i>New Lyme Institute.</i>	<i>Hart's Grove, O.</i>	455, 55th st.
Jeffreys, Elizabeth,	<i>Oberlin College.</i>	<i>Hubbard, O.</i>	5718 Kimbark av.
Johnston, Lucy Marian,	<i>Mrs. Loring's School.</i>	<i>Chicago.</i>	6 Wellington pl.
Knott, Sarah Jane,		<i>New Brighton, Pa.</i>	F.
Krackowizer, Alice Marie,	<i>Cook County Normal School.</i>	<i>New York City.</i>	6657 Stewart av.
Latimer, Ellen Hale,	<i>Old University of Chicago.</i>	<i>Chicago.</i>	366 E. 40th st.
Leonard, William Ezekiel,	<i>Corcoran Scientific School.</i>	<i>Correctionville, Ia.</i>	5496 Ellis av.
Levinson, Esther,	<i>Gymnasium, Bomny, Russia.</i>	<i>Chicago.</i>	253 Ewing st.
Mason, Mary Elizabeth,	<i>Smith College.</i>	<i>Chicago.</i>	4619 Lake av.
Matz, Evelyn,	<i>Chicago High School.</i>	<i>Chicago.</i>	431 Oak st.
McKinley, Albert Edward,	<i>Temple College, Philadelphia.</i>	<i>Philadelphia, Pa.</i>	25 G.
Mecum, Mary Alice,	<i>State Normal School, Westfield, Mass.</i>	<i>Feeding Hills, Mass.</i>	4531 Forrestville av.
Merker, Margaret,	<i>Glendale Female College.</i>	<i>Louisville, Ky.</i>	5700 Jackson av.
Miller, Celeste J.,	<i>Vassar College.</i>	<i>Chicago.</i>	5506 Monroe av.
Mitchell, Florence Louise,	<i>Maine Wesleyan College.</i>	<i>Englewood.</i>	438, 57th st.
Morey, Frances Amelia,	<i>Purdue University.</i>	<i>Chicago.</i>	5554 Monroe av.
Munson, Sarah,	<i>MacDonald Ellis School (D. C.)</i>	<i>Zanesville, O.</i>	Hotel Barry.

THE QUARTERLY CALENDAR.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Otis, Marion Louise.	<i>Kirkland School, Chicago.</i>	<i>Chicago.</i>	294 Huron st.
Palmer, Henry Augustus,	<i>Indianapolis High School.</i>	<i>Indianapolis, Ind.</i>	578, 60th st.
Parker, Mary,	<i>University of Indiana.</i>	<i>Louisville, Ky.</i>	B.
Pierce, Florence Leona,	<i>Creston High School.</i>	<i>Chicago.</i>	4225 Vincennes av.
Ramsdell, Lillian Lovina,	<i>Farming Normal School.</i>	<i>Milo, Me.</i>	6023 Ellis av.
Ranney, Mary Lowther,	<i>Kemper Hall (Wis.)</i>	<i>Chicago.</i>	36 Ray st.
Rew, Harriett Campbell,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4536 Lake av.
Rice, Elbridge Washburn,	<i>Pontiac High School.</i>	<i>Pontiac.</i>	
Riggs, Wilfred,	<i>State Normal, Kirksville, Mo.</i>	<i>Unionville, Wis.</i>	57 N.
Riordan, Edward Joseph,	<i>Sault Ste. Marie High School.</i>	<i>Chicago.</i>	815 Noble st.
Roggy, Elizabeth,	<i>Miss Hutchinson's School.</i>	<i>Princeton.</i>	5759 Madison av.
Rowan, Jean Morton,	<i>Michigan State Normal School.</i>	<i>Almont, Mich.</i>	5822 Ellis av.
Sawyer, George Hoyt,	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	914 Monroe st.
Scott, Walter Armitage,	<i>Armour Institute.</i>	<i>Chicago.</i>	914 Monroe st.
Scudder, John Arnold,	<i>St. Paul's School, Concord, N. H.</i>	<i>Chicago.</i>	106 Pine st.
Shallies, Guy Wheeler,	<i>Buffalo Normal School.</i>	<i>Arcade, N. Y.</i>	35 Sn.
Shibley, Mary Capitola,	<i>Northwestern University.</i>	<i>Chicago.</i>	6128 Lexington av
Smith, Franklin Currier,	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	5496 Ellis av.
Smith, Sarah Elizabeth,	<i>East Aurora High School.</i>	<i>Aurora.</i>	6047 Ellis av.
Stanton, Edna Augusta,	<i>Miss Kirkland's School.</i>	<i>Chicago.</i>	Highland Park.
Stephens, Louise Brier,	<i>Bryn Mawr College.</i>	<i>Chicago.</i>	2713 Prairie av.
Stiles, Bertha Vernon,	<i>University of Wisconsin.</i>	<i>Kansas City, Mo.</i>	7330 Webster av.
Stone, Eliza Atkins,		<i>Evanston.</i>	B.
Stratton, Lucy Hamilton,	<i>Northwestern Preparatory School.</i>	<i>Pasadena, Cal.</i>	5717 Madison av.
Stuart, Mary Louise,	<i>South Division High School.</i>	<i>Chicago.</i>	309, 32d st.
Stuart, Mary Victoria,	<i>Oakland High School.</i>	<i>San Francisco, Cal.</i>	6025 Ellis av.
Sturges, Mrs. Helen,	<i>Gannett Institute (Mass.).</i>	<i>Chicago.</i>	210 Garton st.
Swett, Mary Chase,	<i>Cook County Normal School.</i>	<i>Chicago.</i>	5006 Washington av
Thornton, Lee D.,	<i>Morgan Park Academy.</i>	<i>Otsego, Mich.</i>	5418 Greenwood av.
Weston, Herbert Mantor,	<i>Chicago Academy.</i>	<i>Chicago.</i>	111 Warren av.
White, Minnie,	<i>Tarkio College.</i>	<i>Chicago.</i>	5558 Lexington av.
Wieland, Otto,	<i>Proseminary (Elmhurst).</i>	<i>Cherokee, Ia.</i>	37 Sn.
Wilmarth, Anna Hawes,	<i>Miss Herrig's School.</i>	<i>Duluth, Minn.</i>	B.
Wilson, William Otis,	<i>Western Normal College.</i>	<i>Chicago.</i>	45 Sn.
Wilson, William Tilton,	<i>Northern Indiana Normal School.</i>	<i>Bushnell,</i>	5733 Ingleside av.
Young, Gertrude Mary,	<i>Manor Mount Collegiate School, Forest Hill, Omaha, Neb.</i>	<i>Chicago.</i>	F.
	<i>London.</i>		

TOTAL, 112.

SUMMARY.

The Graduate School of Arts and Literature,	181
The Graduate School of Arts and Literature (Non-resident),	24
The Ogden Graduate School of Science,	79
The Ogden Graduate School of Science (Non-resident),	7
The Graduate Divinity School,	108
The English Theological Seminary,	40
The Dano-Norwegian Theological Seminary,	25
The Swedish Theological Seminary,	37
The University Colleges,	65
The Academic Colleges,	318
Unclassified Students,	112
Registered too late for Classification	12
	1008
Deduct names repeated	8
TOTAL,	1000

291

210

501

499

1200

202

47

476

14

200

Arts

Sci (Sci)

47

37

207

232

21

109

248

252

CONSTITUENCY OF CLASSES, AUTUMN QUARTER, 1894.

REMARKS: 1. The numbers of departments and courses correspond, in general, to those of the ANNUAL REGISTER and CAL-
ENDAR No. 10, in the University proper, and in the Divinity School.

2. All classes recite in Cobb Lecture Hall, unless otherwise stated. The four floors of this building are lettered, the first being A, and the rooms numbered.

3. Abbreviations: K=Kent Chemical Laboratory; R=Ryerson Physical Laboratory; W=Walker Museum; g=Graduate Student; u=University College Student; a=Academic College Student; d=Divinity Student. Where not otherwise designated, the student is unclassified.

4. Numerals in parentheses at the end of each list indicate the number of students taking the course.

5. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the University, in the Registrar's office.

THE SCHOOLS OF ARTS, LITERATURE, AND SCIENCE.

I. PHILOSOPHY.

(Students, 105; course registrations, 125.)

Seminar: Introduction to Contemporary Metaphysical Thought. DM: (12)

HEAD PROFESSOR DEWEY.

Ames, g	Moore, g	Tanner, g
MacLennan, g	Radebaugh, g	Tompkins, g (8)
Milligan, g	Richert, g	

Logic of Ethics. DM. (13)

HEAD PROFESSOR DEWEY.

Burling, d	Moore, g	Steelman, g
Clark, H., a	Radebaugh, g	Tompkins, g (8)
Hutchinson, g	Read, g	

General History of Philosophy. DM. (4)

ASSOCIATE PROFESSOR TUFTS.

Breed, d	Henderson, u	Otis,
Burling, d	Herrick, d	Read, g
Burnham, g	Jone, u	Rowan,
Carpenter, u	Leiser, u	Sanders, g
Case, d	Marot, g	Squires, g
Clark, F. B., u	Mason,	Strawn, u
Curtis, u	Mitchell, F.,	Tanaka, u
Foye, u	Oeschger, u	Walker, g (24)

Seminar in English Philosophy. DM. (6)

ASSOCIATE PROFESSOR TUFTS.

Ames, g	Pratt, g	Stuart, g
Hutchinson, g	Schoolcraft, g	Whitehead, g (8)
Milligan, g	Sisson, g	

Philosophical German. (7)

ASSOCIATE PROFESSOR TUFTS.
(Course not taken.)

Experimental Psychology. DM. (19)

ASSISTANT PROFESSOR ANGELL.

Aber,	Clark, F., u	Tanaka, u
Ames, g	Merkel, g	Tanner, g
Breed, g	Radebaugh, g	Whitehead, g (11)
Campbell, g	Schoolcraft, g	

Experimental Psychology. DM. (20)

ASSISTANT PROFESSOR ANGELL.

MacLennan, g		(1)
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Logic. DM. (1)

Abells,	Holloway, a	Purcell, a
Austrian, C.,	Hopkins, a	Roosa, u
Baker, a	Janss, a	Rowan,
Bell, a	Jegl, a	Runyon, a
Brown, L., u	Johnston, a	Sampseell, a
Burnham, g	Jones, N., u	Schlosser, d
Carpenter, u	Klock, u	Soovel, u
Carroll, a	Kruse, g	Speicher, d
Clark, H., a	Lewis, M., u	Stewart,
Claypool, d	Lewis, S., u	Stone, a
Cook, u	Lipeky, a	Stuart,
Curtis, u	Lockwood, d	Tanaka, u
Ebersole, A., u	McClintock, A., a	VanVliet, u
Friedman, J. C., a	McClintock, S., u	Vreeland, d
Gale, u	Mitchell, a	Wales, a
Gettys, u	Morgan, a	Williams, J., u
Greenbaum, a	Munson,	Williston, u
Haft, a	Packer, u	Wilmarth,
Hancock, a	Pierce, u	Wilson,
Hill,	Porterfield, u	Woods, u (61)
Hoebeke, u		

Comparative Psychology. DM. (21)

ASSISTANT PROFESSOR MEAD.

Aber,	Moore, u	Thomas, g (3)
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II. POLITICAL ECONOMY.

(Students, 78; course registrations, 91.)

Money and Practical Economics. DM. (9)

HEAD PROFESSOR LAUGHLIN.

Calvert, g	Robertson, g	Tunell, g
Montgomery, g	Roseter, g	Williams, u (8)
Noyes, g	Stuart, g	

Economic Seminar. DM. (21)

HEAD PROFESSOR LAUGHLIN.

Hardy, g	Stowe, g	Willis, g
Hoxie, g	Tunell, g	Winston, g (7)
Million, g		

Principles of Political Economy. DM. (1)

PROFESSOR A. C. MILLER.

Adams,	Hoebcke, u	Montgomery, g
Arnold, u	Hutchings, a	Moore, a
Atwood, a	Hyman, I., a	Palmer,
Bell, a	Jackson, a	Peabody, a
Carpenter, u	Johnson, F., u	Rogers, u
Freeman, M., a	Johnson, R., a	Scudder, J.,
Friedman, a	Johnston, L.,	Sherman, u
George,	Jordan, a	Steelman, d
Gleason, a	Kern, a	Stone, H., a
Graves, E., a	Leonard,	Stuart,
Graves, L., a	Levinson,	Thomas, g
Gwin, a	Lewis, u	Whitaker, g
Heil, u	Livingston, a	White,
Hewitt,	Macomber, a	Woods, u
Hobart, u		(43)

History of Political Economy. DM. (5)

PROFESSOR A. C. MILLER.

Barrett, g	Hastings, g	Montgomery, g
Calvert, g	Howard, u	Rosseter, g
Forrest, g	Jude, g	Stuart, g
Franklin, g	Levinson,	Tunell, g
Freeman, G., u	Million, g	Willard, g
Harding, g	Monroe, g	Winston, g
		(18)

Finance. DM. (15)

PROFESSOR A. C. MILLER.

Barrett, g	Mitchell, a	Williams, u
Harding, g	Rosseter, g	Willis, g
Hardy, g	Tunell, g	(8)

Tariff History of the United States. DM. (13)

MR. HILL.

Barnard, a	Rice,	Tunnichliff, g
Hughes, u		(4)

Socialism. DM. (7)

DR. VEBLIN.

Howerth, g	Willard, g	(2)
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Statistics. DM. (10)

DR. HOURWICH.

Fulcomer, g		(1)
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Social and Economic Ideals. DM. (7a)

DR. CUMMINGS.

(Course not taken.)

III. POLITICAL SCIENCE.

(Students, 60; course registrations, 76.)

Comparative Politics. National Government. DM.

(11)

HEAD PROFESSOR JUDSON.

Ball, g	Edmonson,	Noyes, g
Barnard, a	Gilpatrick, u	Ogden, g
Benson,	Heim, g	Page, g
Crandall, g	Hughes, u	Scofield, g
Davis, g	Hutchings, a	Scott, g
Eastman, u	Jones, G., g	Strawn, u
Echlin, g	Karpen, u	Voight, u
		(21)

International Law. DM. (21)

HEAD PROFESSOR JUDSON.

Alden, g	Harding, g	Lingle, a
Caraway, u	Hastings, g	Paterson, a
Daniels, g	Howard, u	Roosa, u
Eastman, u	Hughes, u	Thomas, a
Fertig, g	Karpen, u	Wilson,
Glover, g		(16)

Institutes of Roman Law. DM. (31)

DR. FREUND.

Barnard, a	Glover, g	Karpen, u
Chace, g	Gordis, g	Shipley, g
Daniels, g	Hosford, g	Tunnichliff, g
Dorman, g	Howard, u	Voight, u
		(12)

General Jurisprudence. DM. (41)

DR. FREUND.

Barnard, a	Karpen, u	Scott, g
Calvert, g	Moran, u	Tunnichliff, g
Carroll, a	Murphy, u	Voight, u
Dorman, g	Rice,	Wilson,
Edmonson,	Roosa, u	(14)

Geography of Europe. DM. (71)

MR. CONGER.

Abbott, a	Coagrove, a	Plant, a
Backas,	Holloway, a	Robertson, g
Bowers,	Mandel, a	Sincere, a
Brown, Ed., a	McClintock, a	Whyte, a
Brown, Jas., a		(13)

History of Geography. DM. (72)

MR. CONGER.

(Course not taken.)

Civil Government. DM. (1)

MR. WILCOX.

(Course not taken.)

IV. HISTORY.

(Students, 235; course registrations, 269.)

History of Europe in the Nineteenth Century from 1815. DM. (39)

HEAD PROFESSOR VON HOLST.

Adams, a	Hardy, g	Pierce, u
Alden, g	Hastings, g	Pike, a
Atwater, g	Helmer, g	Robertson, g
Baldwin, g	Hobart, u	Robinson, u
Ball, g	Hoxie, g	Rullkoetter, g
Barrett, g	Jones, G., g	Scofield, g
Carroll, a	Jordan, a	Schoolcraft, g
Clarke, a	Jude, g	Strawn, u
Crandall, g	Keith, g	Thompson, g
Danills, g	Learned, g	Todd, u
Davis, g	MacLean, g	VanVliet, u
Dorman, g	Mats,	White,
Durbin, g	Miller,	Whittaker, g
Fertig, g	Million, g	Willis, g
Foye, u	Moran, u	Winston, g
Franklin, g	Packer, u	Wolcott, g
Gilpatrick, u	Page, g	Wood,
Glover, g	Parker, g	Wyckoff, g
		(54)

History Seminar: American and Modern European**History. DM. (52)****HEAD PROFESSOR VON HOLST.**

Adams, <i>a</i>	Franklin, <i>g</i>	Page, <i>g</i>
Alden, <i>g</i>	Hastings, <i>g</i>	Parker, <i>g</i>
Crandall, <i>g</i>	Heim, <i>g</i>	Vaile, <i>g</i>
Danilla, <i>g</i>	Helmer, <i>g</i>	Willard, <i>g</i>
Davis, <i>g</i>	Learned, <i>g</i>	Wolcott, <i>g</i>
Fertig, <i>g</i>	Ogden, <i>g</i>	

(17)

History Seminar: Norman Period. DM. (49)**PROFESSOR TERRY.**

Baldwin, <i>g</i>	MacLean, <i>g</i>	Scofield, <i>g</i>
Goldberg, <i>a</i>	Ogden, <i>g</i>	Thompson, <i>g</i>
Hunter, <i>g</i>	Rullkoetter, <i>g</i>	Whitaker, <i>g</i>
Knox, <i>g</i>		

(10)

Introduction to Modern History. DM. (3)**PROFESSOR TERRY.**

Adams, <i>a</i>	Hale, <i>a</i>	Kirby, <i>g</i>
Agarter, <i>a</i>	Harris, <i>g</i>	Klock, <i>u</i>
Backers, <i>a</i>	Hastings, <i>a</i>	Loeb, <i>a</i>
Castle, <i>u</i>	Hoxie, <i>g</i>	Maynard, <i>a</i>
Dibell, <i>a</i>	Hughes, <i>u</i>	Mecum, <i>a</i>
Fogg, <i>a</i>	Jude, <i>g</i>	Thornton, <i>a</i>

(18)

History: Feudal Period. DM. (28)**PROFESSOR TERRY.**

Adams, <i>a</i>	Gilpatrick, <i>u</i>	Robertson, <i>g</i>
Atwater, <i>g</i>	Goldberg, <i>a</i>	Rosseter, <i>g</i>
Baldwin, <i>g</i>	Heim, <i>g</i>	Rowan, <i>a</i>
Ball, <i>g</i>	Kirby, <i>g</i>	Rullkoetter, <i>g</i>
Boomer, <i>u</i>	Knox, <i>g</i>	Thompson, <i>g</i>
Crandall, <i>g</i>	Looney, <i>a</i>	Whitaker, <i>g</i>
Fertig, <i>g</i>	MacLean, <i>g</i>	Wolcott, <i>g</i>
Franklin, <i>g</i>	Noyes, <i>g</i>	Wyckoff, <i>g</i>

(24)

History of Antiquity to the Persian Empire. DM.**(7) ASSOCIATE PROFESSOR GOODSPEED.****(Course not taken.)****History of Ancient Greece. DM. (16)****DR. WIRTH.**

Learned, <i>g</i>	
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(1)

The Mediaeval Period. DM. (1a)**ASSOCIATE PROFESSOR THATCHER.**

Aldrich, <i>a</i>	High, <i>a</i>	Nelson, <i>a</i>
Appa, <i>a</i>	Johann, <i>a</i>	Payne, <i>a</i>
Averill, <i>a</i>	Johnston, <i>a</i>	Schwarz, <i>a</i>
Bell, <i>a</i>	Kennedy, <i>a</i>	Scudder, <i>a</i>
Braam, <i>a</i>	Lackner, <i>a</i>	Sealey, <i>a</i>
Burns, <i>a</i>	Levinson, <i>a</i>	Simpson, <i>a</i>
Bushnell, <i>a</i>	Linn, <i>a</i>	Sincere, <i>a</i>
Cahn, <i>a</i>	Manning, C., <i>a</i>	de Swarto, <i>u</i>
Capen, <i>a</i>	Matz, <i>a</i>	Thompson, <i>a</i>
Crandall, <i>a</i>	Minnick, <i>a</i>	Tooker, <i>a</i>
Curtis, <i>u</i>	Neal, C., <i>a</i>	Winson, <i>a</i>
Goldsmith, <i>a</i>	Neel, E., <i>a</i>	

(36)

The Mediaeval Period. DM. (1c)**ASSOCIATE PROFESSOR THATCHER.**

Abernethy, <i>a</i>	Harding, <i>a</i>	Palmer, <i>a</i>
Bean, <i>a</i>	Keen, <i>a</i>	Peabody, E., <i>a</i>
Bennett, <i>a</i>	Krohie, <i>a</i>	Peirce, <i>a</i>
Chamberlin, E., <i>a</i>	Ide, <i>a</i>	Robertson, <i>g</i>
Ely, <i>a</i>	Lester, <i>a</i>	Sawyer, <i>a</i>
Evans, <i>a</i>	Manning, L., <i>a</i>	Smith, S., <i>a</i>
Fealer, <i>a</i>	Moore, <i>a</i>	Swett, <i>a</i>
Fish, C., <i>a</i>	Mosser, <i>a</i>	Trumbull, <i>a</i>

(24)

The Mediaeval Period. DM. (1b)**MR. CONGER.**

Ball, H., <i>a</i>	Harris, N., <i>g</i>	Patterson, <i>a</i>
Ball, F., <i>a</i>	Hopkin, <i>a</i>	Piper, <i>a</i>
Black, <i>a</i>	Hunter, <i>u</i>	Reoidan, <i>a</i>
Brown, <i>a</i>	Jana, <i>a</i>	Root, <i>a</i>
Deffenbaugh, <i>a</i>	Johnson, <i>a</i>	Salinger, <i>a</i>
Dougherty, <i>a</i>	Kern, <i>a</i>	Shutterly, <i>a</i>
Edmonson, <i>a</i>	Klinetop, <i>a</i>	Skillie, <i>a</i>
Enelow, <i>a</i>	Lovett, <i>a</i>	Stephens, <i>a</i>
Fair, <i>a</i>	Martin, <i>a</i>	Thach, <i>a</i>
Haft, <i>a</i>		

(28)

The Modern Period. DM. (2a)**MR. CONGER.**

Allen, W., <i>a</i>	Gano, <i>a</i>	Macomber, <i>a</i>
Bachman, <i>a</i>	Greenbaum, <i>a</i>	Osgood, <i>a</i>
Barrett, <i>a</i>	Harris, N., <i>g</i>	Peterson, <i>a</i>
Browne, <i>a</i>	Hay, <i>a</i>	Speer, <i>a</i>
Campbell, J. W., <i>a</i>	Hunter, J., <i>a</i>	Stuart, <i>a</i>
Ford, <i>a</i>		

(16)

The Modern Period. DM. (2b)**MR. CATTERALL.**

Alschuler, <i>a</i>	Downing, <i>a</i>	Oglevee, <i>a</i>
Anderson, <i>a</i>	Drew, <i>a</i>	Pierce, <i>a</i>
Ballou, <i>a</i>	Durand, <i>a</i>	Plant, <i>a</i>
Bishop, <i>a</i>	Friedman, <i>a</i>	Radford, <i>a</i>
Brook, <i>a</i>	Garver, <i>a</i>	Shallies, <i>a</i>
Brown, J., <i>a</i>	Goodman, <i>a</i>	Sperans, <i>a</i>
Calhoun, <i>a</i>	Graves, <i>a</i>	Tunnicliff, S., <i>g</i>
Chamberlin, J., <i>a</i>	Gwin, <i>a</i>	Wales, <i>a</i>
Coleman, <i>a</i>	Hales, <i>a</i>	Wallace, <i>a</i>
Cosgrove, <i>a</i>	Hannan, <i>a</i>	Walls, <i>a</i>
Crafts, <i>a</i>	Hoebcke, <i>u</i>	Wescott, <i>a</i>
Cullen, <i>a</i>	Jude, <i>g</i>	Wolf, <i>a</i>
Dignan, <i>a</i>	McCorkle, <i>a</i>	Wood, H., <i>g</i>
Dirks, <i>a</i>	Neal, <i>a</i>	

(41)

V. ARCHEOLOGY.**(Students, 1; course registrations, 1.)****History of Greek Vases.****PROFESSOR TARBELL.**

C. K. Chase, <i>g</i>	
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(1)

VI. SOCIOLOGY.

(Students, 99; course registrations, 133.)

Seminar: Problems of Social Dynamics. DM. (28)

HEAD PROFESSOR SMALL.

Clark, H., <i>g</i>	Howerth, <i>g</i>	Thomas, <i>g</i>
Davies, <i>g</i>	Raymond, <i>g</i>	Thurston, <i>g</i>
Fulcomer, <i>g</i>	Sanders, <i>g</i>	West, <i>g</i>
Gow, <i>g</i>	Steelman, <i>d</i>	Wishart, <i>d</i>
Hastings, <i>g</i>		

(18)

Problems of Social Statics. DM. (27)

HEAD PROFESSOR SMALL.

Forrest, <i>g</i>	Porter, <i>g</i>	Tanner, <i>g</i>
Matsinger, <i>d</i>	Raymond, <i>g</i>	Thurston, W.
Monroe, <i>g</i>	Read, E., <i>g</i>	Willard, <i>g</i>
Moore, <i>u</i>	Stutsman, <i>g</i>	Wishart, <i>d</i>

(12)

The Province of Sociology, and its Relations to the Special Social Sciences. DM. 1st Term. (24)

HEAD PROFESSOR SMALL.

Case, C., <i>d</i>	Favor, <i>g</i>	Randall, <i>d</i>
Dunn, <i>g</i>	Forrest, <i>g</i>	Raymond, <i>g</i>
Dye, F., <i>d</i>	Monroe, <i>g</i>	Tompkins, <i>g</i>
Echlin, <i>g</i>	Moore, <i>g</i>	Wyant, <i>d</i>

(12)

Seminar: Organizations for Promoting Social Welfare. DM. (14)

ASSOCIATE PROFESSOR HENDERSON.

Blake, <i>d</i>	Hicks, <i>d</i>	Stutsman, <i>g</i>
Braker, <i>d</i>	Matsinger, <i>d</i>	Taylor, <i>d</i>
Crossey, <i>d</i>	Scott, <i>g</i>	Waldo, <i>d</i>
Fulcomer, <i>g</i>	Steelman, <i>d</i>	

(11)

Social Institutions of Organized Christianity. M. 2d Term. (15)

ASSOCIATE PROFESSOR HENDERSON.

Beyl, <i>d</i>	Henry, <i>d</i>	Morgan, <i>d</i>
Blake, <i>d</i>	Hoover, <i>d</i>	Patchell, E., <i>d</i>
Breed, <i>d</i>	Howard, <i>d</i>	Patchell, Wm.,
Claypool, <i>d</i>	Hoyt, <i>d</i>	Sanders, <i>d</i>
Coggins, <i>d</i>	Huckleberry, <i>d</i>	Schlamann, <i>d</i>
Eddy, <i>d</i>	Hulshart, <i>u</i>	Schlosser, <i>d</i>
Fradenburg, <i>d</i>	Hurley, <i>d</i>	Smith, <i>d</i>
Fradenburg, M., <i>d</i>	Jones, <i>d</i>	Vreeland, <i>d</i>
Giblett, <i>d</i>	Mason, <i>d</i>	Witt, <i>d</i>
Hendrick, <i>d</i>		

(28)

The Family. M. 1st Term. (18)

ASSOCIATE PROFESSOR HENDERSON.

Allen, <i>d</i>	Giblett, <i>d</i>	Perkins, C., <i>d</i>
Berry, <i>d</i>	Goodman, A., <i>d</i>	Robinson, C., <i>d</i>
Blake, <i>d</i>	Hoover, <i>d</i>	Schlamann, <i>d</i>
Briggs, <i>d</i>	Hoyt, <i>d</i>	Schlosser, <i>d</i>
Carrol, <i>d</i>	Hulshart, <i>u</i>	Smith, C., <i>d</i>
Claypool, A., <i>d</i>	Lockhart, <i>d</i>	Speicher, <i>d</i>
Coggins, <i>d</i>	Mason, <i>d</i>	Stutsman, <i>g</i>
Dent, <i>d</i>	McDonald, <i>d</i>	Vreeland, <i>d</i>
Eastman, <i>u</i>	Montague, <i>d</i>	Witt, <i>d</i>
Fradenburg, M., <i>d</i>	Patchell, E., <i>d</i>	Wood, J., <i>d</i>
Fradenburg, J., <i>d</i>	Patchell, Wm., <i>d</i>	

(32)

Voluntary Associations. M. 2d Term. (19)

ASSOCIATE PROFESSOR HENDERSON.

Perkins, <i>d</i>	Wood, <i>d</i>	
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(4)

Laboratory Work in Anthropology. DM. (1)

ASSISTANT PROFESSOR STARR.

Fulcomer,		
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(1)

Physical Anthropology. DM. (2)

ASSISTANT PROFESSOR STARR.

Campbell, <i>g</i>	Fulcomer,	Thomas, <i>g</i>
Conger,	Miller, <i>g</i>	

(5)

General Anthropology. DM. (4)

ASSISTANT PROFESSOR STARR.

Bassett, <i>a</i>	Fulcomer,	Shreve, <i>a</i>
Clark, F., <i>u</i>	Morgan, <i>u</i>	Stutsman, <i>g</i>
Dunn, <i>g</i>	Pooley, <i>a</i>	Woods, F., <i>u</i>
Echlin, H., <i>g</i>	Raymond, <i>g</i>	

(11)

Seminar in Sanitary Science. DM. (10)

ASSISTANT PROFESSOR TALBOT.

Clark, H., <i>g</i>		
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(1)

House Sanitation. DM. (11)

ASSISTANT PROFESSOR TALBOT.

Chafin,	Schwarz, <i>a</i>	Wilmarth,
Purcell, <i>a</i>	Walls, <i>a</i>	

(5)

Applied Anthropology. DM. (3)

DR. WEST.

(Course not taken.)

VII. COMPARATIVE RELIGION.

(Students, 6; course registration, 6.)

Early Historical Religions. DM. (1)

ASSOCIATE PROFESSOR GOODSPEED.

Boyer, <i>d</i>	Coffin, <i>g</i>	Oeschger, <i>u</i>
Carrol, <i>d</i>	Marot, <i>g</i>	Sherman, <i>a</i>

(6)

VIII. SEMITIC LANGUAGES AND LITERATURES.

(Students, 55; course registration, 73.)

Semitic Seminar. DM. (102)

HEAD PROFESSOR HARPER.

Berry, <i>g</i>	Howard, H., <i>d</i>	Willett, <i>g</i>
Farr, <i>d</i>	Walker, <i>g</i>	

(5)

Books of Joel, Amos, Obadiah, and Jonah. DM. (42)

HEAD PROFESSOR HARPER.

Baird, C., <i>d</i>	Howard, H., <i>d</i>	Murray, <i>d</i>
Bale, <i>d</i>	Hunter, <i>u</i>	Patrick, <i>d</i>
Behan, <i>d</i>	Jackson, <i>d</i>	Sayre, <i>d</i>
Braker, <i>d</i>	Jones, H., <i>d</i>	Sperans, <i>a</i>
Chapin, <i>d</i>	Joseph, <i>d</i>	Stairs, <i>d</i>
Farr, <i>d</i>	Kingsley, <i>d</i>	Vosburgh, <i>d</i>
Frantz, <i>d</i>	Leiser, <i>u</i>	West, <i>d</i>
Gray,	Logan, C., <i>d</i>	Williams, <i>d</i>
Haigazian, <i>d</i>	Meigs, <i>d</i>	

(36)

Earlier Suras of the Kuran. DM. (87)**HEAD PROFESSOR HARPER.**

Baird, <i>d</i>	Jones, H., <i>d</i>	Mendenhall, <i>g</i>
Farr, <i>d</i>	Knox, <i>g</i>	Rapp, <i>d</i>
Gray, <i>d</i>	Logan, <i>d</i>	Wallace, <i>g</i>
Howard, H., <i>d</i>	Mebane, <i>d</i>	

(11)

General Introduction to Rabbinical Literature. M.

1st Term. (55)

PROFESSOR HIRSCH.

(Course not taken.)

Mishnah. M. 2d Term. (56)**PROFESSOR HIRSCH.**

(Course not taken.)

Beginnings of Hebrew History. DM. (30)**ASSOCIATE PROFESSOR GOODSPPEED.**

Allen, <i>d</i>	Haigazian, <i>d</i>	Jones, L., <i>g</i>
Fisk, <i>d</i>	Halbert, <i>d</i>	Mendenhall, <i>g</i>
Gray, <i>d</i>	Hatch, <i>d</i>	Oeschger, <i>u</i>
Guard, <i>d</i>		

(10)

Beginners' Syriac. DM. (68)**ASSOCIATE PROFESSOR HARPER.**

Baird, <i>d</i>	Howard, H., <i>d</i>	Mebane, <i>d</i>
Farr, <i>d</i>	Jones, H., <i>d</i>	

(5)

Assyrian Language. DM. (72)**ASSOCIATE PROFESSOR HARPER.**

Haigazian, <i>d</i>	Jones, L., <i>g</i>	Walker, <i>g</i>
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(3)

Later Historical Inscriptions. DM. (74)**ASSOCIATE PROFESSOR HARPER.**

Mebane, <i>d</i>	Rapp, <i>d</i>	
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(2)

Special Introduction to Prophetic Books. DM. (38)**ASSOCIATE PROFESSOR PRICE.**

Coon, <i>d</i>	Randall, <i>d</i>	Varney, <i>d</i>
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(3)

Seminar: Bilingual Babylon Psalm Literature. DM.

(81)

ASSOCIATE PROFESSOR PRICE.

(Course not taken.)

Outline of Hebrew History. DM. (29)**DR. KENT.**

Bruce, <i>d</i>	McDonald, <i>d</i>	Sperans, <i>a</i>
Fradenburg, Mrs., <i>d</i>	Pooley, <i>a</i>	Sturges, <i>d</i>
Hanson, <i>d</i>	Schlamann, <i>d</i>	

(8)

IX. BIBLICAL AND PATRISTIC GREEK.

(Students, 73; course registration, 82.)

Life of Paul and Introduction to Pauline Epistles.

DM. (20)

HEAD PROFESSOR BURTON.

Aitchison, <i>d</i>	Eaton, <i>d</i>	Sayre, <i>d</i>
Atchley, <i>d</i>	Fletcher, <i>d</i>	Sairs, <i>d</i>
Beyl, J., <i>d</i>	Frantz, <i>d</i>	Tustin, <i>d</i>
Borden, <i>d</i>	Georges, <i>d</i>	Varney, <i>d</i>
Braker, <i>d</i>	Goodman, <i>d</i>	Watson, <i>d</i>
Case, C., <i>d</i>	Howard, W., <i>d</i>	Wight, <i>d</i>
Chalmers, <i>d</i>	Hurley, <i>d</i>	Wilkin, R., <i>d</i>
Chapin, <i>d</i>	Lemon, <i>d</i>	Woodruff, <i>d</i>
Coon, <i>d</i>	Logan, <i>d</i>	Wright, <i>d</i>
Cressey, <i>d</i>	Myhrman, <i>d</i>	

(29)

History of New Testament Times in Palestine. DM.

(10)

ASSOCIATE PROFESSOR MATHEWS.

Aitchison, <i>d</i>	Fisk, <i>d</i>	Newcomb, <i>d</i>
Allen, <i>d</i>	Fletcher, <i>d</i>	Patchell, <i>d</i>
Anderson, <i>d</i>	Halbert, <i>d</i>	Patrick, <i>d</i>
Anderson, O., <i>d</i>	Hastón, <i>d</i>	Purinton, E., <i>d</i>
Arbogast, <i>d</i>	Hobbs, <i>d</i>	Rhapstock, <i>d</i>
Bale, <i>d</i>	Howard, W., <i>d</i>	Rhodes, <i>d</i>
Behan, <i>d</i>	Jamison, <i>d</i>	Shoemaker, <i>d</i>
Beyl, F., <i>d</i>	Jordan, <i>d</i>	Smith, A., <i>d</i>
Borden, <i>d</i>	Joseph, <i>d</i>	Snow, <i>d</i>
Braker, <i>d</i>	Kingale, <i>d</i>	Spickler, <i>d</i>
Breed, <i>d</i>	Kinney, <i>d</i>	Spooner, <i>d</i>
Bruce, <i>d</i>	Kjellen, <i>d</i>	Stairs, <i>d</i>
Bunyard, <i>d</i>	Lisk, <i>d</i>	Stark, <i>d</i>
Coggins, <i>d</i>	McKinney, <i>d</i>	Stillwell, <i>d</i>
Crawford, <i>d</i>	Meigs, <i>d</i>	Wight, <i>d</i>
Cressey, <i>d</i>	Mendenhall, <i>g</i>	Williams, <i>d</i>
Davidson, <i>d</i>	Murray, <i>d</i>	Wood, <i>d</i>
Ewing, <i>d</i>		

(53)

Josephus. M. 1st Term. (49)**DR. ARNOLD.**Woodruff, *d* _____ (1)**X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.**

(Students, 8; course registration, 10.)

General Introduction to the Study of Indo-European

Philology. M. 1st Term. (1)

ASSOCIATE PROFESSOR BUCK.

Adams, A., <i>g</i>	Hutchinson, <i>g</i>	Shipley, <i>g</i>
Bartlett, E., <i>g</i>	Erickson, <i>g</i>	Wood, F., <i>g</i>

(6)

Comparative Grammar of Greek and Latin. M.

2d Term. (2)

ASSOCIATE PROFESSOR BUCK.

Erickson, <i>g</i>	Wood, F., <i>g</i>	
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(2)

Sanskrit (for beginners). DM. (4)**ASSOCIATE PROFESSOR BUCK.**

Sanford, <i>g</i>	Wood, F., <i>g</i>	
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(2)

XI. THE GREEK LANGUAGE AND LITERATURE.

(Students, 108; course registration, 117.)

Æschylus and Sophocles. DM. (23)**PROFESSOR SHOREY.**

Aber, <i>g</i>	Gettys, <i>u</i>	Matthias, <i>g</i>
Atwater, Mrs. M., <i>g</i>	Gilbert, S., <i>g</i>	Moffatt, <i>u</i>
Atwater, C. J., <i>g</i>	Higgins, <i>a</i>	Owen, <i>g</i>
Bartlett, <i>g</i>	Hutchinson, J., <i>g</i>	Paschal, <i>g</i>
Blaine, <i>g</i>	Johnson, <i>a</i>	Rew, <i>g</i>
Cobb, <i>g</i>	Jones, A., <i>g</i>	Schlicher, <i>g</i>
Dodge, E. G., <i>g</i>	Leiser, <i>u</i>	Sherwin, <i>u</i>
Erickson, <i>g</i>	Lewis, M., <i>u</i>	Wier, <i>g</i>
Faulkner, <i>g</i>	Lewis, S., <i>u</i>	Woodburn, <i>g</i>

(27)

The Greek Drama. (Seminar.) DM. (25)**PROFESSOR SHOREY.**

Atwater, Mrs. M., <i>g</i>	Dodge, <i>g</i>	Kruse, <i>g</i>
Bartlett, <i>g</i>	Jones, A., <i>g</i>	Paschal, <i>g</i>

(6)

Two Plays of Euripides. DM. (5)

PROFESSOR TARBELL.

Blaine, <i>g</i>	Guthrie, <i>a</i>	McIntosh, <i>g</i>	
Bliss, <i>a</i>	Hyman, <i>a</i>	Radford, <i>a</i>	
Burkhalter, <i>a</i>	Jackson, <i>a</i>	Tooker, <i>a</i>	
Downing, <i>a</i>	Linn, <i>a</i>	Wildman, <i>a</i>	(13)
Durand, <i>a</i>			

Introduction to Greek Epigraphy. DM. (11)

PROFESSOR TARBELL.

Lovell, <i>g</i>	Owen, <i>g</i>		(2)
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Xenophon; Plato. DM. (2)

ASSISTANT PROFESSOR CASTLE.

Baird, <i>a</i>	Ickes, <i>a</i>	Stevens, <i>a</i>	
Burns, <i>a</i>	Kells, <i>a</i>	Suite, <i>a</i>	
Coleman, <i>a</i>	Loesch, <i>a</i>	Thompson, <i>a</i>	
Dunning, <i>a</i>	Osborne, <i>a</i>	Williams, <i>a</i>	
Ford, <i>a</i>	Sincere, <i>a</i>	Winston, <i>a</i>	(17)
Goodman, <i>a</i>	Spray, A., <i>a</i>		

Demosthenes, Oration on the Crown. Æschines, Selections from the Oration against Ctesiphon. DM. (15)

ASSISTANT PROFESSOR CASTLE.

Adams, V., <i>a</i>	Drew, <i>a</i>	Sanford, <i>g</i>	
Agerter, <i>a</i>	Mather, <i>g</i>	Smith, <i>a</i>	
Beatty, <i>u</i>	Matthias, <i>g</i>	Todd, <i>u</i>	
Brown, E., <i>a</i>	McIntosh, <i>g</i>	Yust, <i>g</i>	
Brown, L., <i>u</i>	Owen, <i>g</i>	Washburn, <i>g</i>	
Dearing, <i>a</i>	Porterfield, <i>u</i>	Whyte, <i>a</i>	(18)

Review of Greek Grammar. DM. (1)

MR. OWEN.

Baldwin, A., <i>a</i>	Hunt, <i>g</i>	Plant, <i>a</i>	
Coolidge, E., <i>a</i>	Loeb, <i>a</i>	Simpson, <i>a</i>	
Hale, Wm., <i>u</i>	Mitchell, <i>a</i>	Wieland, <i>a</i>	
Hartley, <i>a</i>	Pike, C., <i>a</i>	Wright, <i>a</i>	(12)

Homer (Selections from the Odyssey). DM. (3)

MR. OWEN.

Broek, <i>a</i>	Gordis, <i>g</i>	Pienkowsky, <i>a</i>	
Chamberlin, <i>a</i>	Hill, <i>a</i>	Robinson, <i>a</i>	
Dornisfe, <i>a</i>	Jackson, <i>a</i>	Trumbull, <i>a</i>	
Ebersole, <i>a</i>	Johnson, <i>u</i>	White, <i>a</i>	(12)

XII. THE LATIN LANGUAGE AND LITERATURE.

(Students, 189; course registration, 203.)

Teachers' Training Course. DM. (33)

HEAD PROFESSOR HALE.

Aber, <i>g</i>	Fowler, <i>g</i>	LaMonte, <i>g</i>	
Adams, A., <i>g</i>	Gilbert, <i>g</i>	Linscott, <i>g</i>	
Atwater, C., <i>g</i>	Heil, <i>u</i>	Mather, <i>g</i>	
Atwater, E., <i>g</i>	Hill, <i>a</i>	Parker, E., <i>g</i>	
Backus, <i>a</i>	Hubbard, Mary, <i>a</i>	Porterfield, <i>u</i>	
Bailey, <i>g</i>	Hunt, <i>g</i>	Ramsdell, <i>a</i>	
Boomer, <i>u</i>	Hutchinson, J., <i>g</i>	Rogers, M., <i>u</i>	
Burgess, Isaac, <i>g</i>	Hutchinson, K., <i>g</i>	Sanford, F., <i>g</i>	
Campbell, <i>u</i>	Jones, A., <i>g</i>	Washburn, <i>g</i>	
Earle, M., <i>g</i>	Kirkwood, <i>g</i>	Woodburn, <i>g</i>	(30)

Seminar 3: Comparative Syntax of the Greek and Latin Verb. DM. (36)

HEAD PROFESSOR HALE.

Aber, <i>g</i>	Hosford, <i>g</i>	Lovell, <i>g</i>	
Bailey, <i>g</i>	Hussey, <i>g</i>	Paschal, <i>a</i>	
Chace, C., <i>g</i>	Jones, F., <i>g</i>	Schlicher, <i>g</i>	
Goodspeed, J., <i>g</i>	Kruse, <i>g</i>	Shipley, <i>g</i>	(14)
Goodis, <i>g</i>	Linscott, <i>g</i>		

Seneca. DM. (16)

PROFESSOR CHANDLER.

Amlie, <i>g</i>	Hale, B., <i>a</i>	Moffatt, <i>u</i>	
Atwater, C., <i>g</i>	Hamilton, <i>a</i>	Reed, H., <i>g</i>	
Beatty, <i>u</i>	Hill, <i>a</i>	Schlicher, <i>g</i>	
Blaine, <i>g</i>	LaMonte, <i>g</i>	Todd, <i>u</i>	
Earle, <i>g</i>	Lewis, M., <i>u</i>	Wier, <i>g</i>	
Freeman, <i>u</i>	Lewis, S., <i>u</i>	Woodburn, <i>g</i>	(20)
Gordis, <i>g</i>	Matthias, <i>g</i>		

Tacitus (Seminar). (35)

PROFESSOR CHANDLER.

Higgins, <i>a</i>	Mather, <i>g</i>	Sanford, <i>g</i>	
Hosford, <i>g</i>	Norton, <i>u</i>	Washburn, <i>g</i>	(8)

Terence, Tacitus, the Writing of Latin. Section 1. DM. (5a)

ASSISTANT PROFESSOR MILLER.

Amlie, <i>g</i>	Gano, <i>a</i>	Mauning, <i>a</i>	
Blahop, <i>a</i>	Hering, <i>a</i>	Ramsdell, <i>a</i>	
Cahn, <i>a</i>	Hewitt, H., <i>a</i>	Roggy, <i>a</i>	
Campbell, <i>u</i>	Hill, <i>a</i>	Root, <i>a</i>	
Candee, <i>a</i>	Hubbard, M., <i>a</i>	Sealey, <i>a</i>	
Coy, <i>a</i>	Kellogg, <i>a</i>	Wieland, <i>a</i>	
Frazan, Mrs. A., <i>a</i>	Lowy, <i>a</i>	Yust, <i>g</i>	(21)

Horace (Odes). Wilkins' Primer of Roman Literature. DM. (6a)

ASSISTANT PROFESSOR MILLER.

Adkinson, <i>a</i>	Hopkins, <i>a</i>	Loesch, <i>a</i>	
Apps, <i>a</i>	Hubbard, H., <i>a</i>	Lovejoy, <i>a</i>	
Bassett, <i>a</i>	Hunt, <i>g</i>	Mosser, <i>a</i>	
Bennett, <i>a</i>	Hurlbut, C., <i>a</i>	Nichols, <i>a</i>	
Browne, <i>a</i>	Hyman, <i>a</i>	Osgood, <i>a</i>	
Burns, <i>a</i>	Ickes, <i>a</i>	Peabody, <i>a</i>	
Dignan, <i>a</i>	Ide, <i>a</i>	Perkins, <i>a</i>	
Durand, <i>a</i>	Jackson, <i>a</i>	Thompson, <i>a</i>	
Ely, <i>a</i>	Jenkinson, <i>a</i>	Tooker, <i>a</i>	
Fish, <i>a</i>	Lackner, <i>a</i>	Wieland, <i>a</i>	
Ford, <i>a</i>	Latimer, <i>a</i>	Winston, <i>a</i>	(34)
Graves, <i>a</i>			

Cicero, Livy, the Writing of Latin. Section 1. DM. (4a)

MR. C. H. MOORE.

Anderson, <i>a</i>	Evans, <i>a</i>	Lincoln, M., <i>a</i>	
Baker, E., <i>a</i>	Frutchey, <i>a</i>	Looney, <i>a</i>	
Baker, G., <i>a</i>	Geelbracht, <i>a</i>	Lovett, <i>a</i>	
Baldwin, <i>a</i>	Grant, <i>a</i>	McClintock, <i>a</i>	
Barlow, <i>a</i>	Harding, <i>a</i>	McIntosh, <i>g</i>	
Bean, <i>a</i>	Hayward, <i>a</i>	Merrifield, <i>a</i>	
Breeden, <i>a</i>	Herschberger, <i>a</i>	Moore, <i>a</i>	
Campbell, <i>a</i>	Hopkins, <i>a</i>	Ramsdell, <i>a</i>	
Crafts, <i>a</i>	Jegi, <i>a</i>	Salinger, <i>a</i>	
Daniels, L., <i>g</i>	Kane, <i>u</i>	Suite, <i>a</i>	
Dornisfe, <i>a</i>	Kennedy, <i>a</i>	Wildman, <i>a</i>	
Ebersole, <i>a</i>	Lincoln, G., <i>a</i>	Yust, <i>g</i>	(37)
Eldres, <i>a</i>			

Cicero, Orations. DM. (1)Braam,
Dickerson,

Dumke, a

MR. WALKER.

Myhrman, d (4)

Cicero, Livy. Section 2. DM. (4a)**MR. WALKER.**Arnold, u
Bachman, a
Ball, F., a
Ball, H., a
Beach, a
Beers, A., a
Beers, E., a
Bushnell, a
Capen, a
Crandall, a
Cullen, a
Dornaise, a
Dougherty, aFreeman, a
Garver, a
Geselbracht, a
Glascock,
Hubbard, E.,
Jannsen, a
Johnson, u
Livingston, a
McCorkle, a
McGhee, a
McIntyre, aMighell, a
Moore, a
Rice, a
Robinson, D., a
Roby, a
Schoenfeld, a
Scott, a
Thach, a
Vaughan, a
Wescott, a
Woolley, a
Woods, W., a (37)**Elementary French. DM. (1a)**Anderson, E.,
Barlow,
Barnes,
Boothroyd, g
Cahn, a
Campbell, a
Chollar,
Crafts, a
Crandall, a
Fulcomer,
Gale, uGleason, a
Goodman, a
Graves, a
Hewitt, a
Hubbard, M., a
Jordan, a
Johnson, a
Knapp, a
McClenahan, a
Mecum,
Mighell, a**MR. HOWLAND.**Moore, a
Morgan, u
Plant, a
Shallies,
Shutterly, a
Smith, S.,
Stone, a
Stratton,
Thornton,
Walker, a
Wiley, a (33)**Italian. Grammar. DM. (28)**

Austrian.

Carroll, P., a

MR. HOWLAND.

Murphy, u (3)

Italian: Classic Prose. DM. (31)

Neff, g

MR. HOWLAND.
(1)**Historical French Grammar. DM. (13)****DR. DE POYEN-BELLISLE.**

Cutler, g

Jones, F., g

Munson, g (3)

Old French Texts. DM. (16)**DR. DE POYEN-BELLISLE.**

Munson, g

(1)

Old Provençal Texts. DM. (19)**DR. DE POYEN-BELLISLE.**Cutler, g
Neff, g

Wallace, g

Witkowski, g (4)

Elementary Spanish. DM. (23)Castle, a
Hay,

Scudder,

MISS WALLACE.

Yarsembeki, a (4)

XIII. ROMANCE LITERATURE AND PHILOLOGY.

(Students, 112; course registrations, 116.)

Elementary French. DM. (1b)**ASSISTANT PROFESSOR BERGERON.**Adkinson, a
Breeden, a
Broek, a
Candee, a
Chapin,
Deffenbaugh, a
Geselbracht, a
Hering, aHewitt, H., a
Ickes, a
Kells, a
Kerr, a
Luttrell, u
Mitchell, a
McKinley,
Mentzer, aPatchell, d
Reordan,
Schoenfeld, a
Smith, K., a
Smith, H. J., a
Todd, u
Wieland, (23)**French: Advanced Syntax and Composition. DM.**

(4)

ASSISTANT PROFESSOR BERGERON.Ballou, a
Brandt, a
Cary, g
Casteel,
Cook,
Dearing, a
Drew, a
Enelow, aFoster, E., a
Goldsmith, a
Greene,
Griswold, a
Gwin, a
Hewitt, H., a
Jenkinson, aJones, R., u
Lambert, L., u
Martin,
McNeal, E., a
Stanton,
Weston,
Wier, g (22)**French: Rapid Reading and Conversation. DM. (7)****ASSISTANT PROFESSOR BERGERON.**Anderson, a
Austrian, C.,
Austrian, D.,
Brandt, a
Conrath,
Dirks, a
George,
Grant, aGreene,
Hannon,
Harris, a
Janns, a
Nelson, a
Redlay, a
Rew, H.,Scovel, u
Seavey, a
Shere, a
Stewart,
Taylor, g
Tefft, a
Willis, a (22)**French. Literature of the Nineteenth Century. DM.**

(10)

ASSISTANT PROFESSOR BERGERON.

Rudd, a

(1)

Old Spanish. DM. (20)

(Course not taken.)

MR. HOWLAND.**XIV. GERMANIC LANGUAGES AND LITERATURES.**

(Students, 139; course registrations, 150.)

Literary Cooperation of Goethe and Schiller. DM. (1)**ASSOCIATE PROFESSOR CUTTING.**Conrath,
Holton, aLinfeld, g
Mulfinger, g

Young, (5)

Elementary Course. DMM. (29)**ASSOCIATE PROFESSOR CUTTING.**Abells,
Allen, W., a
Anderson, S., a
Atwater, g
Atwood, W., a
Baird,
Beach, a
Beers, A., a
Benson,
Bond, a
Brown, B., g
Dougherty, u
Dudley, a
Dunning, a
Evans, a
Fair, a
Fish, aGallion,
Gleehrist, a
Greene, u
Griffith,
Hall, a
Hallingby,
Hastings, S.,
Henderson, u
Hornbeak, g
Hubbard, H., a
Hulshart, u
Huriburt,
Jannsen, a
Kienzie, a
Knott, S.,
Law, a
Mecum, uNewton, g
Norwood, a
Peterson, a
Rand, a
Randall, a
Richardson, a
Sawyer,
Schwarz, a
Shibley,
Smith, u
Steigmeyer, a
Teller, a
Tolman, a
Walling, a
White, a
Willis, a
Winston, a (51)

Introduction to Phonetics. M. 1st Term. (13)

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

Fowler, *g* Munson, *g* (2)

Middle Low Franconian. M. 2d Term. (14)

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

Jones, J., *g* Mulfinger, *g* Wood, *g* (4)
Kern, *g*

Modern Prose. DM. (31)

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

Berry, <i>u</i>	Foster, <i>a</i>	McKinley,
Bliss, <i>a</i>	Harris, <i>a</i>	Mentzer,
Burkhalter, <i>a</i>	Hopkins, <i>a</i>	Miller, <i>a</i>
Campbell,	Ide, <i>a</i>	Pershing, <i>a</i>
Capen, <i>a</i>	Jones, R., <i>u</i>	Rothschild, <i>a</i>
Caraway, <i>u</i>	Lingle, <i>a</i>	Speer, <i>a</i>
Chace, <i>a</i>	Lisk, <i>d</i>	Stevens, <i>a</i>
Clarke, <i>a</i>	Lovejoy, <i>a</i>	Trumbull, <i>a</i>
Cullen, <i>a</i>	Lowy, W., <i>a</i>	Waterbury, <i>a</i>
Dibell, <i>a</i>	Manning, G., <i>a</i>	Webster, <i>u</i>
Dornaise, <i>a</i>	Manning, L., <i>a</i>	Wiley, <i>a</i>
Feeler, <i>a</i>	McGillivray, <i>a</i>	Wilson, (36)

Gothic. DM. (5)

DR. VON KLENZE.

Barnes,	Enelow, <i>a</i>	Jordan,
Conrath,	Hubbard, E.,	Munson, <i>g</i>
Crotty, <i>g</i>	Jones, F., <i>g</i>	Winston, <i>g</i> (9)

Schiller. DM. (21)

DR. VON KLENZE.

Averill, <i>a</i>	Frankhauser, M.,	Oglevee, <i>a</i>
Berry,	Freeman, <i>a</i>	Payne, <i>a</i>
Chapin,	Higgins, <i>a</i>	Stagg, <i>a</i>
Dana, <i>g</i>	Kells, <i>a</i>	Stuart,
Downing, <i>a</i>	Kerr, <i>a</i>	Winston, <i>g</i> (16)
Eldred, S., <i>a</i>		

Goethe's Lyrical Poetry as an Exponent of his Life.

DM. (26)

DR. VON KLENZE.

Barnes,	Darrow,	Gatzert, <i>a</i>
Castle, <i>u</i>	Davis, P., <i>a</i>	Winston, <i>g</i>
Conrath,	Frankhauser,	Young, <i>g</i> (9)

Heine's Prose and Poetry. DM. (27)

MR. MULFINGER.

Hay, M., <i>u</i>	Miller, <i>a</i>	Vaughn, W., <i>a</i>
Hay, F., <i>u</i>	Rothschild, <i>a</i>	Wales, <i>a</i> (7)
Kerr, <i>a</i>	Thompson, <i>a</i>	

Intermediate Course. DM. (30)

MR. MULFINGER.

Agerter, <i>a</i>	McClonahan, <i>a</i>	Reddy, <i>a</i>
Bull F.,	Perkins, <i>a</i>	Robertson, <i>g</i>
Flanders, <i>a</i>	Pienkowsky, <i>a</i>	Wayman, <i>a</i> (10)
Looney, <i>a</i>		

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

(Students, 312; course registrations, 366).

History and Fiction. M. 2d Term. (8)

PROFESSOR WILKINSON.

Brown, E., <i>a</i>	Mathews, <i>u</i>	Parker,
Gibbs,	Minnick, <i>a</i>	Stone, M., (7)
Graham,		

Blank Verse. DM. (63)

PROFESSOR WILKINSON.

Minnick, <i>a</i>	Richert, <i>g</i>	Stone, E., (4)
Mathews, <i>u</i>		

Criticism of Criticism. M. 1st Term. (64)

PROFESSOR WILKINSON.

Brown, <i>a</i>	Mathews, <i>u</i>	Parker,
Coolidge, <i>g</i>	Minnick, <i>a</i>	Richert, <i>g</i>
Cosgrove, <i>a</i>	Mitchell,	Stone,
Gibbs,	Murphy, <i>u</i>	Whyte, <i>a</i> (14)
Graham,	Otis,	

English Essayists of the XIX. Century. DM. (59)

ASSOCIATE PROFESSOR BUTLER.

Boggs, <i>g</i>	Gibbs,	Radford, <i>g</i>
Caraway, <i>u</i>	Graham,	Sampson, <i>a</i>
Dibell, <i>a</i>	Haft, <i>a</i>	Spear, <i>a</i>
Dougherty, <i>a</i>	Lambert, <i>u</i>	Stevens, <i>a</i>
Furness, <i>u</i>	McClintock, A., <i>a</i>	Wilmarth, (17)
Gallion,	Paterson, E., <i>a</i>	

English Romantic Poets from 1780 to 1830. DM. (18)

ASSOCIATE PROFESSOR MCCLINTOCK.

Amlic, <i>g</i>	Henry, W., <i>g</i>	Pierce, F.,
Baker, G., <i>a</i>	High,	Pike, C., <i>a</i>
Bates,	Hill, F.,	Reed, H., <i>g</i>
Brown, <i>g</i>	Jones, N., <i>u</i>	Roggy,
Coolidge, E., <i>a</i>	Keith, <i>g</i>	Sass, <i>a</i>
Coolidge, L., <i>a</i>	Klock, <i>u</i>	Stanton,
Davenport,	Knott,	Stephens,
Dougherty, M., <i>u</i>	Krobie, <i>a</i>	Stiles,
Gatzert, B., <i>a</i>	Luttrell, <i>u</i>	Thompson, <i>a</i>
Goodman, G.,	Morgan, <i>a</i>	Vaughan, L., <i>a</i>
Hale, B., <i>a</i>	Parker,	Woods, Wm. B., <i>a</i> (34)
Hancock, <i>a</i>		

English Literature (Seminar). DM. (33)

ASSOCIATE PROFESSOR MCCLINTOCK.

Allen, <i>g</i>	Henry, Wm., <i>g</i>	Putnam, <i>g</i>
Beardsley, <i>g</i>	Knott,	Radford, <i>g</i>
Breed, <i>g</i>	Linfield, <i>g</i>	Reynolds, <i>g</i>
Crotty, <i>g</i>	Love, <i>g</i>	Squires, <i>g</i>
Forrest, <i>g</i>	Moore, <i>g</i>	Weatherlow, <i>g</i>
Gaud, <i>g</i>	Pratt, <i>g</i>	Youngdahl, <i>g</i> (18)

Old English (Elementary course). DM. (23)

ASSISTANT PROFESSOR BLACKBURN.

Allen, <i>g</i>	Gaud, Wm., <i>g</i>	Reynolds, <i>g</i>
Anderson,	Linfield, <i>g</i>	Shatterly, <i>a</i>
Beardsley, <i>g</i>	Love, <i>g</i>	Stiles,
Davenport,	Maddocks, <i>g</i>	Taylor, T. J., <i>g</i>
Forrest, <i>g</i>	Mulfinger, <i>g</i>	Witkowsky, <i>g</i>
Foye, <i>u</i>	Radford, <i>g</i>	Youngdahl, <i>g</i> (18)

Old English (Advanced course). DM. (27)

ASSISTANT PROFESSOR BLACKBURN.

Henry, W., <i>g</i>	Ogden, <i>g</i>	Squires, <i>g</i>	
Jones, <i>g</i>	Pratt, <i>g</i>	Weatherlow, <i>g</i>	(7)
Mitchell,			

English Language Seminar. M.

ASSISTANT PROFESSOR BLACKBURN.

Brainard, <i>g</i>	Ogden, <i>g</i>	Squires, <i>g</i>	(3)
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Prose of the Elizabethan Era. DM. (46)

ASSISTANT PROFESSOR CROW.

Gettys, C., <i>u</i>	Heil, <i>u</i>	Patchell, <i>g</i>	
Goodell, <i>u</i>	Luttrell, <i>u</i>	Rew, <i>g</i>	(7)
Haft, <i>a</i>			

English Literature Seminar. Studies in Elizabethan Literature. DM. (36)

ASSISTANT PROFESSOR CROW.

Ramsdell,	Rew, R., <i>g</i>	Rickert, <i>g</i>	(3)
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English Literature. DM. (10a)

ASSISTANT PROFESSOR TOLMAN.

Bachelle, <i>a</i>	Guthrie, <i>a</i>	Mandel, <i>a</i>	
Breeden, <i>a</i>	Harding, <i>a</i>	McGee, <i>a</i>	
Campbell, J., <i>a</i>	Hartley, <i>a</i>	McNeal, E., <i>a</i>	
Chamberlin, <i>a</i>	Jones, <i>u</i>	Steigmeyer, <i>a</i>	
Clarke, <i>a</i>	Kane, <i>a</i>	Stuart,	
Davis, P., <i>a</i>	Kirkwood, <i>g</i>	Tunnicliff, <i>g</i>	
Ebersole, <i>u</i>	Leonard,	Wood, <i>g</i>	(22)
Frutchey, <i>a</i>			

Rise of the English Drama and its History to 1560. DM. (44)

ASSISTANT PROFESSOR TOLMAN.

Aldrich,	Foye, <i>u</i>	Reynolds, <i>g</i>	
Allen, <i>g</i>	Gaud, <i>g</i>	Walker, <i>g</i>	
Bates,	Mason,	Weatherlow, <i>g</i>	
Beardsley, A.,	Moore, <i>g</i>	Woods, W., <i>a</i>	
Forrest, <i>g</i>	Rew, <i>g</i>	Youngdahl, <i>g</i>	(15)

Rhetoric and English Composition. DM. (1c)

MR. HERRICK.

Abernethy, <i>a</i>	Geselbracht, <i>a</i>	Pooley, <i>a</i>	
Anderson,	Gilchrist, <i>a</i>	Rubel, <i>a</i>	
Baker, <i>a</i>	Herschberger, <i>a</i>	Schoenfeld, <i>a</i>	
Ball, F., <i>a</i>	Hill,	Skillie, <i>a</i>	
Ball, H., <i>a</i>	Hopkins, <i>a</i>	Stuart,	
Bates, F.,	Kern, <i>a</i>	Teller, <i>a</i>	
Campbell, H., <i>a</i>	Lovett, <i>a</i>	Thach, <i>a</i>	
Davenport,	Martin, <i>a</i>	Vaughan, W. C., <i>a</i>	
Dearing, <i>a</i>	McIntyre, <i>a</i>	Walker, <i>a</i>	
Dumke, <i>a</i>	Merrifield, <i>a</i>	Waterbury, <i>a</i>	(31)
Frazeur, <i>a</i>			

Seminar in Rhetorical Methods. DM. (54)

MR. HERRICK.

Jones, J., <i>g</i>			(1)
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Advanced English Composition. 2DM. (5)

MR. HERRICK.

Brandt, <i>a</i>	Freeman, <i>u</i>	Noble, <i>a</i>	
Cook, <i>u</i>	Goodman, G.,	Walker, <i>g</i>	(8)
Crotty, <i>g</i>	LaMonte, <i>g</i>		

English Literature. DM. (10b)

MISS REYNOLDS.

Allen, W., <i>a</i>	Glascocock,	Parker,	
Alschuler, <i>a</i>	Graves, <i>a</i>	Peabody, <i>a</i>	
Apps, <i>a</i>	Griffith,	Pienkowsky, <i>a</i>	
Atwood, H., <i>a</i>	Hewitt, H., <i>a</i>	Radford, <i>a</i>	
Bliss, <i>a</i>	Jenkinson, <i>a</i>	Robinson, <i>u</i>	
Butterworth,	Johnson, <i>a</i>	Sealey, <i>a</i>	
Carpenter,	Jone, <i>u</i>	Shallies,	
Davis,	Law, <i>a</i>	Stiles, B.,	
Ebersole, <i>u</i>	Mason,	Vaughan, L. B., <i>a</i>	
Ely, <i>a</i>	Nelson, <i>a</i>	Walls, <i>a</i>	(32)
Fealer, <i>a</i>	Noble, <i>a</i>		

English Composition (Advanced course). DM. (2)

MR. LOVETT.

Adkinson, <i>a</i>	Flint, <i>a</i>	Munson,	
Baird, <i>a</i>	Gibbs,	Oglevee, <i>a</i>	
Ballou, <i>a</i>	Guthrie, <i>a</i>	Perkins, <i>a</i>	
Barrett, <i>a</i>	Hannan,	Pierce,	
Bassett, <i>a</i>	Hering, <i>a</i>	Roby, <i>a</i>	
Beardsley,	Hurlbut, L., <i>a</i>	Schwartz, <i>a</i>	
Bennott, <i>a</i>	Johnston,	Sherwin, <i>u</i>	
Casteel,	Kirkwood, <i>g</i>	de Swarte, <i>u</i>	
Crandall, <i>a</i>	Krohn, <i>a</i>	Thompson, <i>a</i>	
Deffenbaugh, <i>a</i>	Lackner, <i>a</i>	Wallace, <i>a</i>	(32)
Dignan, <i>a</i>	Linn, <i>a</i>		

Rhetoric and English Composition. DM. (1a)

DR. LEWIS.

Aldrich,	Keen, E., <i>a</i>	Rice, E.,	
Bachman, <i>a</i>	Knapp, <i>u</i>	Rice, I., <i>a</i>	
Ball, <i>a</i>	Lenington, <i>a</i>	Richardson, <i>a</i>	
Bushnell, <i>a</i>	Lester, <i>a</i>	Robertson, <i>g</i>	
Campbell, G., <i>u</i>	Lincoln, <i>a</i>	Scott, <i>a</i>	
Candee, <i>a</i>	Lincoln, G., <i>a</i>	Snite, <i>a</i>	
Coleman, <i>a</i>	Mentzer, <i>a</i>	Spray, <i>a</i>	
Goldsmith, <i>a</i>	Morey,	Vaughan, F., <i>a</i>	
Hale, W., <i>u</i>	Neal, <i>a</i>	Wescott, <i>a</i>	
Hales,	Osborne, <i>a</i>	Wildman, <i>a</i>	
Hubbard,	Palmer,	Wright, <i>a</i>	(35)
Janssen, <i>a</i>	Rew, <i>a</i>		

Rhetoric and English Composition. DM. (1b)

DR. LEWIS.

Anderson, <i>a</i>	Freeman, J., <i>a</i>	Miller, Ethel, <i>a</i>	
Austrian, D.,	Freeman, M., <i>a</i>	Patterson, <i>a</i>	
Bean,	Glascocock,	Piper, <i>a</i>	
Beers, <i>a</i>	Griewold, <i>a</i>	Reddy, <i>a</i>	
Bull,	Hallingby,	Seavey, <i>a</i>	
Coy, <i>a</i>	Harris, <i>a</i>	Shire, <i>a</i>	
Davis,	Hayward, <i>a</i>	Smith, S.,	
Ebersole, <i>u</i>	Hoyt, <i>a</i>	Stanton,	
Ebersole, A., <i>a</i>	Klinetop, <i>a</i>	Stuart,	
Eldred, <i>a</i>	Leonard,	Swett,	
Fish, C., <i>a</i>	Miller, Elsie, <i>a</i>	Wayman, <i>a</i>	(38)

Nineteenth Century Literary Movements. DM. (38)

MR. TRIGGS.

Bates,	Keith, <i>g</i>	Ranney,
Berry,	Mathews, <i>u</i>	Rew, <i>g</i>
Brown, L., <i>u</i>	Maynard, <i>a</i>	Roosa, <i>u</i>
Casteel, E.,	McClintock, <i>u</i>	Root, <i>a</i>
Coolidge, L., <i>g</i>	Pierce, L., <i>u</i>	Scovel, <i>u</i>
Faddis, M. S.,	Rand, P., <i>a</i>	Sherwin, <i>u</i>
Gettys, <i>u</i>	Ramsdell,	

(20)

Poetry of Browning and Meredith. DM. (52)

MR. TRIGGS.

Boggs, <i>g</i>	Faddis, S.,	Love, <i>g</i>
Coolidge, E., <i>a</i>	Lambert, <i>u</i>	Pratt, <i>g</i>

(6)

English Poetry in the Elizabethan Age. DM. (51)

MR. CARPENTER.

(Course not taken.)

Critical Examination of the Text of Hamlet. DM.

(66)

MRS. BRAINARD.

(Course not taken.)

XVI. BIBLICAL LITERATURE IN ENGLISH.

(See Graduate School and University Colleges, VIII., and English Theological Seminary, XVI.)

XVII. MATHEMATICS.

(Students, 142; course registrations, 179.)

Projective Geometry. DM. (14)

PROFESSOR MOORE.

Brandt, <i>a</i>	Drew, <i>g</i>	Richardson, <i>g</i>
Brown, G., <i>g</i>	Geckeler, <i>g</i>	Rothrock, <i>g</i>
Cravens, <i>g</i>	Gillespie, <i>g</i>	Schottenfels, <i>g</i>
Dickson, <i>g</i>	Paterson, <i>a</i>	Taylor, <i>g</i>

(12)

Elliptic Modular Functions. DM. (28)

PROFESSOR MOORE.

Froley, <i>g</i>	Slaught, <i>g</i>	Smith, <i>g</i>
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(8)

Introduction to the Theory of Quaternions. DM. (21)

PROFESSOR BOLZA.

Brown, G., <i>g</i>	Joffe, <i>g</i>	Smith, <i>g</i>
Gillespie, <i>g</i>	Remick, <i>g</i>	

(5)

Theory of Functions of a Complex Variable. DM.

(23)

PROFESSOR BOLZA.

Brown, G., <i>g</i>	Gould, <i>g</i>	Rothrock, <i>g</i>
Cravens, <i>g</i>	Joffe, <i>g</i>	Schottenfels, <i>g</i>
Geckeler, <i>g</i>	Remick, <i>g</i>	Taylor, <i>g</i>
Gillespie, <i>g</i>		

(10)

Advanced Integral Calculus. DM. (10)

ASSISTANT PROFESSOR MASCHKE.

Barrett, <i>g</i>	Geckeler, <i>g</i>	Newton, <i>g</i>
Boothroyd, <i>g</i>	Hart, <i>g</i>	Nichols, E., <i>g</i>
Burns, <i>g</i>	Lamay, <i>a</i>	Schnelle, <i>a</i>
Cobb, <i>g</i>	Lansingh, <i>a</i>	Stone, <i>g</i>
Cravens, <i>g</i>	Marshall, <i>g</i>	Yundt, <i>a</i>
Drew, <i>g</i>		

(16)

Higher Plane Curves. DM. (16)

ASSISTANT PROFESSOR MASCHKE.

Dickson, <i>g</i>	Joffe, <i>g</i>	Rothrock, <i>g</i>
Froley, <i>g</i>	Remick, <i>g</i>	Schottenfels, <i>g</i>
Gillespie, <i>g</i>	Richardson, <i>g</i>	Taylor, <i>g</i>
Gould, <i>g</i>		

(10)

Required Mathematics. DM. (1a) 1st Quarter.

DR. BOYD.

Alschuler, <i>a</i>	Griswold, R., <i>a</i>	Robinson, <i>a</i>
Beers, <i>a</i>	Harris, J., <i>a</i>	Scott, <i>a</i>
Chamberlin, J., <i>a</i>	Hubbard, E.,	Seaney,
Davis, P., <i>a</i>	Hurlbutt, <i>a</i>	Shreve, <i>a</i>
Fish, C., <i>a</i>	Lennington,	Simpson, E., <i>a</i>
Flanders, <i>a</i>	Lester, Minnie, <i>a</i>	Vaughan, F., <i>a</i>
Freeman, J., <i>a</i>	Neal, E., <i>a</i>	Williams, C., <i>a</i>
Freeman, M., <i>a</i>	Osborne, <i>a</i>	Wright, <i>a</i>
Gause, J., <i>a</i>	Rice, <i>a</i>	

(26)

Analytics and Calculus. DM. (4a) and (4b)

DR. BOYD.

Abbott, <i>a</i>	Gano, <i>a</i>	Minard, <i>u</i>
Baird, M., <i>a</i>	Goodell, C., <i>u</i>	Pershing, <i>a</i>
Barrett, <i>g</i>	Hancock, <i>a</i>	Prasser, <i>g</i>
Bliss, G., <i>a</i>	Hart, <i>g</i>	Richards, <i>a</i>
Boothroyd, <i>g</i>	Harvey, <i>g</i>	Rothschild, <i>a</i>
Campbell, <i>a</i>	Jone, <i>u</i>	Runyon, L., <i>i</i>
Chase, H., <i>a</i>	Kellogg, <i>a</i>	Smith, N. F
Comstock,	Lansingh, <i>g</i>	Stone, H.,
Dougherty, H., <i>a</i>	Macomber, <i>a</i>	Tolman, <i>a</i>
Evans, E., <i>a</i>	Manning, L., <i>a</i>	VanVliet, <i>u</i>
Fargo, <i>g</i>	Marshall, C., <i>g</i>	Walling, <i>a</i>
Farnsworth, <i>g</i>	McGillivray, <i>a</i>	Wren, <i>g</i>

(36)

Required Mathematics. DM. (1b) 1st Quarter.

DR. HANCOCK.

Adams, V., <i>a</i>	Greenbaum, <i>a</i>	Miller, Elsie, <i>a</i>
Barlow,	Hall, <i>a</i>	Miller, Ethel, <i>a</i>
Brown, J., <i>a</i>	Lipsky, <i>a</i>	Skillie, <i>a</i>
Dickerson,	Lovejoy, <i>a</i>	Stratton,
Frutchey, <i>a</i>	Mandel, <i>a</i>	Walls, E. B., <i>a</i>

(15)

Required Mathematics. DM. (1c) 1st Quarter.

DR. HANCOCK.

Abernethy, <i>a</i>	Harris, <i>a</i>	Rubel, <i>a</i>
Beardsley,	Herschberger, <i>a</i>	Runyon, <i>a</i>
Bishop, <i>a</i>	Hoyt, <i>a</i>	Smith, H. J., <i>a</i>
Bliss, <i>a</i>	Klinetop, <i>a</i>	Vaughan, W., <i>a</i>
Bond, <i>a</i>	Livingston, <i>a</i>	Wolf, <i>a</i>
Burkhalter, <i>a</i>	McClintock, <i>u</i>	Woolley, <i>u</i>
Coy, <i>a</i>	McCorkle, <i>a</i>	Woolley, P., <i>a</i>
Dumke, <i>a</i>	Patterson, <i>a</i>	

(23)

Required Mathematics. (1d) 1st Quarter.

(1d)

MR. DICKSON.

Brown, a	Jackson, W., a	Roby, a
Calhoun,	Lowy, W., a	Spray,
Evans, a	McGee,	Tefft, a
Frasour,	McIntyre,	Vaughan, L. B., a
Hale, W., u	Mighill, J., g	Walker,
Hales, E.,	Moore,	Weston,
Hay, u	Norwood, J.,	Wilson,

(21)

XVIII. ASTRONOMY.

(Students, 10; course registrations, 12.)

Astronomical Photography. DM. (1)

ASSOCIATE PROFESSOR HALE.

(Course not taken.)

Stellar Spectroscopy. DM. (3)

ASSOCIATE PROFESSOR HALE.

(Course not taken.)

Research Course in the Theory of Tides. DM. (30)

DR. SEE.

(Course not taken.)

Elements of the Theory of Gravitation. DM. (31)

DR. SEE.

Barrett, g	Hart, g	Marshall, C., g
Goodell, u	Harvey, g	Yundt, a

(6)

Astronomical Seminar. (34)

DR. SEE.

Froley, g

(1)

Partial Differential Equations. DM. (32)

DR. LAVES.

Whitney,

(1)

Spherical and Practical Astronomy. DM. (33)

DR. LAVES.

Barrett, g

Hart, g

Prasser, g

(4)

Wren, g

XIX. PHYSICS.

(Students, 17; course registrations, 29.)

Research Course. DMM. (1)

HEAD PROFESSOR MICHELSON.

(Course not taken.)

Special Graduate Course. DMM. (2)

HEAD PROFESSOR MICHELSON.

Barrett, g	Richardson, g	Whitney,
Nichols, E., g	Stone, g	

(5)

Spectrum Analysis. M. (7) Throughout quarter.

HEAD PROFESSOR MICHELSON.

Fargo, g	Stone, g	Whitney,
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(3)

General Physics (Advanced). $\frac{1}{2}$ DM. (3)

ASSOCIATE PROFESSOR STRATTON.

Burns, g	Neel, C., a	Smith, J., g
Hutchinson, g	Nichols, E., g	Smith, N., g
Lamay, a	Runyon, g	Yundt, a,
Lansingh, a	Schnelle, a	

(11)

Laboratory Methods. DM. (11)

ASSOCIATE PROFESSOR STRATTON.

(Course not taken.)

Laboratory Practice (Advanced). DM. (4)

ASSISTANT PROFESSOR WADSWORTH.

Burns, g	Neel, C., a	Smith, J, g
Lamay, a	Schnelle, a	Smith, N., g
Lansingh, a		

(7)

Design and Construction of Instruments of Precision.

DM. (10) ASSISTANT PROFESSOR WADSWORTH.

Braam,	Lansingh, a	Whitney,
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(3)

XX. CHEMISTRY.

(Students, 74; course registrations, 107.)

Organic Chemistry. DM. (9)

PROFESSOR NEP.

Dains, g	Hunt, C., g	Stone, H., g
Goldthwaite, g	Hutchinson, g	Tharlimann, g
Hesse, g	Jones, L., g	Webster, u
Hornbeak, g		

(10)

Organic Preparations (Laboratory work). DM or

MM. (18)

PROFESSOR NEP.

Goldthwaite, g	Hunt, C., g	Richards, a
Hessler,	Kinney, g	

(5)

Research Work for Ph.D. Theses (Organic Chemistry). DMM. (20)

PROFESSOR NEP.

Dains, g	Folin, g	
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(2)

General Inorganic Chemistry. DM. (1)

ASSISTANT PROFESSOR SMITH.

Abbott, a	Hewatson,	Nichols, F. D., a
Alvord,	Hewitt, u	Pershing, a
Bachelle, a	Hewitt, H.,	Randall, a
Bardwell, E.,	Holloway, a	Raycroft, a
Bliss, a	Hubbard, E.,	Riggs,
Campbell, J. T., a	Jegi, a	Rothschild, a
Carpenter, u	Jones, N., u	Russell, a
Chace, H., a	Kellogg, a	Sass, a
Chafin,	Loeb, a	Simpson, a
Chollar, a	McClenahan, a	Thomas, M., a
Dougherty, H., a	McGillivray, a	Wiley, a
Dunlavy, g	Moore, C., a	Willard, g
Gale, u	Morey, F.,	Williston, u
Gleason, a	Neel, C., a	Winston, C., a
Hall, J., a		

(43)

General Chemistry (Laboratory). M. 2d Term. (3)

ASSISTANT PROFESSOR SMITH.

Friedman, J. C., a	Lipsky, a	
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(2)

Advanced Inorganic Preparations. DM or MM. (13)

ASSISTANT PROFESSOR SMITH.

Swartz, *g* (1)

Theoretical Chemistry. $\frac{1}{2}$ DM. (15)

ASSISTANT PROFESSOR SMITH.

Comstock,	Hutchinson, <i>g</i>	Richards, <i>a</i>
Dains, <i>g</i>	Jeffreys,	Stone, H., <i>g</i>
Hornbeak, <i>g</i>	Jone, <i>u</i>	Thürlimann, <i>g</i> (10)
Hunt, <i>g</i>		

Research Work for Ph.D. Theses (Organic Chemistry).

DM. (20) ASSISTANT PROFESSOR SMITH.

Hesse, <i>g</i>	Jones, L., <i>g</i>	Swartz, <i>g</i> (3)
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Qualitative Analysis. DM or MM. (4)

DR. STIEGLITZ.

Barrott, <i>g</i>	Hunt, C., <i>g</i>	Scott,
Comstock,	Minard, <i>u</i>	Sturges, <i>g</i>
Fargo, <i>g</i>	Roberts, <i>g</i>	Webster, <i>u</i> (9)

Quantitative Analysis. DM or MM. (6)

DR. STIEGLITZ.

Hornbeak, <i>g</i>	Jeffreys,	Stone, H., <i>g</i>
Hutchinson, <i>g</i>	Lewis, <i>u</i>	Thürlimann, <i>g</i>
Janss, <i>a</i>	Steinwedel,	Van Osdel, <i>g</i> (9)

Carbohydrates and Complex Hydrocarbons. $\frac{1}{2}$ DM. (23)

DR. STIEGLITZ.

Dains, <i>g</i>	Hesse, <i>g</i>	Jones, L., <i>g</i>
Folin, <i>g</i>	Jeffreys,	Kinney, C., <i>g</i> (6)

Advanced Inorganic Chemistry. $\frac{1}{2}$ DM. (11)

DR. LENGFELD.

Dains, <i>g</i>	Kinney, C., <i>g</i>	Swartz, <i>g</i>
Hesse, <i>g</i>	Richards, <i>a</i>	Thürlimann, <i>a</i> (7)
Jones, L., <i>g</i>		

Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

DR. IKUTA. (1)

Hesse, *g*.

Special Work.

DR. IKUTA. (1)

Thurnauer, *g*

XXI. GEOLOGY.

(Students, 62; course registrations, 82.)

Principles and Working Methods of Geology. DM or

DM. (23) HEAD PROFESSOR CHAMBERLIN.

Dunlavy, <i>g</i>	Hopkins, <i>g</i>	Willard, D., <i>g</i> (5)
Gordan, <i>g</i>	Perisho, <i>g</i>	

Special Geology. M or MM. (21)

HEAD PROFESSOR CHAMBERLIN.

Perisho, *g* (1)

Local Field Geology. (25)

HEAD PROFESSOR CHAMBERLIN AND

PROFESSOR SALISBURY.

(Course not taken.)

Professional Geology. DM. (8)

HEAD PROFESSOR CHAMBERLIN.

Knapp, <i>a</i>	Peet, <i>g</i>	Whitson, <i>u</i> (4)
Kümmel, <i>g</i>		

Physiography. DM. (1)

PROFESSOR SALISBURY.

Baker, <i>a</i>	Graves, L., <i>a</i>	Morgan, T., <i>u</i>
Barrett, <i>a</i>	Harris, M., <i>a</i>	Osgood, <i>a</i>
Bowers,	Hay, <i>a</i>	Rubel, <i>a</i>
Braam,	Hayward, <i>a</i>	Rudd, <i>a</i>
Browne,	Hobart, <i>u</i>	Salinger, <i>a</i>
Calhoun, <i>a</i>	Hoyt, <i>a</i>	Sass, <i>a</i>
Chamberlin, J., <i>a</i>	Hubbard, E.,	Sherman, F. C., <i>a</i>
Chapin, L.,	Johnston, L.,	Shreve, <i>a</i>
Currier, <i>a</i>	Kane, <i>u</i>	Smith, F. C.,
Dirks, <i>a</i>	Kennedy, <i>a</i>	Smith, K. <i>a</i>
Dougherty, H., <i>a</i>	Krackowizer,	de Swarte, <i>u</i>
Gauss,	Lingle, <i>a</i>	Tefft, <i>a</i> (38)
Graves, E.,	Merrifield, <i>a</i>	

Geographic Geology. DM or DMM. (9)

PROFESSOR SALISBURY.

Campbell, C., <i>g</i>	Krackowizer,	Moffatt, <i>u</i>
Claypole, A., <i>g</i>	Lewis, J., <i>u</i>	Packer, <i>u</i>
Foster, E., <i>a</i>	Miller, M. L., <i>g</i>	Strawn, <i>u</i>
Gordon, <i>g</i>	Minard, F., <i>u</i>	Willard, E., <i>g</i> (13)
Graves, P., <i>a</i>		

Laboratory Work in Geographic Geology. (10)

PROFESSOR SALISBURY.

(Course not taken.)

Crystallography. M. 1st Term. (2)

ASSOCIATE PROFESSOR IDDINGS.

Dunlavy, <i>g</i>	Hewetson,	Thürlimann, <i>g</i>
Goldthwaite, <i>g</i>	Swartz, <i>g</i>	Willard, E., <i>g</i> (6)

Physical Mineralogy. M. 2d Term. (3)

ASSOCIATE PROFESSOR IDDINGS.

Dunlavy, <i>g</i>	Hewetson,	Thürlimann, <i>g</i>
Goldthwaite, <i>g</i>	Swartz, <i>g</i>	Willard, E., <i>g</i> (6)

Petrography. DM or DMM. (6)

ASSOCIATE PROFESSOR IDDINGS.

Gordon, <i>g</i>	Hopkins, <i>g</i>	Whitson, <i>g</i> (3)
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Introductory Course in Systematic Palæontology.

(17a)

DR. QUEREAU.

Hewetson,	Miller, M., <i>g</i>	Willard, E., <i>g</i> (5)
Hopkins, <i>g</i>	Perisho, <i>g</i>	

XXII. ZOÖLOGY.

(Students, 44; course registrations, 67.)

Embryology. Higher Invertebrates (Research). DMM.

(1)

HEAD PROFESSOR WHITMAN.

Brode, <i>g</i>	McCaskill, <i>g</i>	Munson, <i>g</i>
Clapp, <i>g</i>	Mead, <i>g</i>	Sturges, <i>g</i> (7)
Fling, <i>g</i>		

Seminar. (2)**HEAD PROFESSOR WHITMAN.**

Clapp, *g* Mead, *g* Sturges, *g* (4)
 Fling, *g*

Comparative Anatomy of the Vertebrates. DMM. (9)**DR. WHEELER.**

Brace, Lewis, A., *g* Roberts, J., *g*
 Comstock, L., McCaskill, *g* Simpson, *a*
 Garrey, *g* Packard, *g* Wilson, W., (10)
 Hamilton, *a*

Special Bacteriology. DM or DMM. (12)**DR. JORDAN. (2)**

Claypole, A., *g* Cole, *g*

General Biology. DM. (13)**DR. JORDAN.**

Bardwell, Hurlbut, L., *a* Rogers, M., *u*
 Boomer, J., *u* Lyon, *g* Shibley, M..
 Chaffin, F., McKinley, Stagg, Stella,
 Chollar, *a* Morey, Thomas, M., *a*
 Dunn, *g* Morgan, Thompson, H., *a*
 Furness, M., *u* Payne, *a* Wallace, E., *a*
 Hewitt, H., *a* Ramsey, M., Wolf, *a*
 Hubbard, H., *a* Riggs, Yarsembaki, *a* (24)

Anatomy and Physiology of the Cell. DM. (6)**DR. WATASÉ.**

Brace, *g* Fling, *g* Munson, *g*
 Brode, *g* Holten, N., *a* Packard, W., *g*
 Chamberlin, C., *g* McCaskill, *g* Roberts, J., *g*
 Clapp, C., *g* Mead, *g* Shibley, (13)
 Claypole, A., *g*

NOTE.—The following two courses given at the Woods Holl (Mass.) Marine Biological Laboratory were reported too late for insertion into Calendar No. 10.

Research Course. 3DM.**HEAD PROFESSOR WHITMAN.**

Brode, *g* Mead, *g* Sturges, *g*
 Clapp, *g* Munson, *g* Treadwell, *g* (7)
 Lillie, *g*

Embryology. 3DM.**HEAD PROFESSOR WHITMAN. (1)**

Crane, *g*

XXIII. ANATOMY AND HISTOLOGY.

(Students, 11; course registrations, 12.)

Mammalian Anatomy. M. 1st Term. (1)**MR. EYOLESHYMER.**

Bachelle, C., *a* Lewis, A., *g* Roberts, *g*
 Dickerson, S., Lyon, *g* Van Oedel, *g*
 Hardesty, *g* Raycroft, *a* Whitehead, *g* (9)

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 2d Term. (2)

MR. EYOLESHYMER.

Bachelle, *a* Brace, *g* Holten, *a*

XXIV. PHYSIOLOGY.

(Students, 35; course registrations, 37.)

Original Investigation in Physiology. DMM. (1)
ASSISTANT PROFESSOR LOEB.

(Course not taken.)

Advanced Physiology. DM or DMM. (2)
ASSISTANT PROFESSOR LOEB.

Baird, W., Mitchell, W., *g* Welch, *g* (4)
 Crane,

Physiology of the Sense Organs and the Peripheral and Central Nervous System. DM. (3)

ASSISTANT PROFESSOR LOEB.

Baird, Fling, *g* Packard, *g*
 Crane, Jordan, *d* Raycroft, *a* (6)

Introductory Physiology. DM. (5)**DR. LINGLE.**

Beatty, *u* Furness, *u* Nichols, F. D., *a*
 Black, Garrey, *g* Piper, *a*
 Bowers, Garvey, *g* Reoidan,
 Campbell, *a* Grant, *a* Russell, *a*
 Carrier, *a* Kienzie, *a* Sampsell,
 Chapin, Lewis, *g* Smith, H. J., *a*
 Dougherty, R., *a* Maynard, *a* Stagg, Stella,
 Flint, *a* McGillivray, *a* Wayman,
 Foster, *a* Mosser, *a* Webster, *u* (27)

XXV. NEUROLOGY.

(Students, 3; course registrations, 3.)

Architecture of the Central Nervous System. DM. (1)
DR. MEYER.

Clapp, C., *g* Hardesty, *g* Thomas, *g* (3)

XXVI. PALÆONTOLOGY.

(Students, 0; course registrations, 0.)

Outlines of Vertebrate Zoology and Palæontology. M. (1)
ASSISTANT PROFESSOR BAUR.

(Course not taken.)

Seminar in Phylogeny. M. (3)
ASSISTANT PROFESSOR BAUR.

(Course not taken.)

Research in the Osteology of Living and Extinct Vertebrates. DMM. (5)

ASSISTANT PROFESSOR BAUR.

(Course not taken.)

XXVII. BOTANY.

(Students, 12; course registrations, 13.)

Plant Morphology. ½DM. (1)**PROFESSOR COULTER.**

Chamberlin, *g* Hardesty, *g* Morey, (5)
 Gordon, *g* Lucas, *g*

Advanced Laboratory Work. 1½DM. (4)**PROFESSOR COULTER.**Gordon, *g* Lucas, *g* (2)**Plant Evolution. DM. (7)****MR. H. L. CLARKE.**Bardwell, Noble, *a*
Brandt, *a* Purcell, *a* Riggs,
Yarsembaki, *a* (6)**XXVIII. ELOCUTION.**

(Students, 117; course registration, 119.)

Theory and Practice. Required of second-year students in the Academic College. (1)**MR. CLARK.****SECTION A.**

Adkinson, <i>a</i>	Davenport, <i>a</i>	Perkins, <i>a</i>
Agerton, <i>a</i>	Dignan, <i>a</i>	Radford, <i>a</i>
Ballou, <i>a</i>	Drew, <i>a</i>	Russell, <i>a</i>
Bassett, <i>a</i>	Durand, <i>a</i>	Shallies, <i>a</i>
Bates, <i>a</i>	Hay, <i>a</i>	Smith, K., <i>a</i>
Bennett, <i>a</i>	Ickes, <i>a</i>	Thompson, E., <i>a</i>
Chapin, <i>a</i>	Lansingh, <i>a</i>	Thompson, H., <i>a</i>
Crandall, <i>a</i>	Mosser, <i>a</i>	

SECTION B.

Atwood, W., <i>a</i>	Dunning, <i>a</i>	Otis, <i>a</i>
Bachelle, <i>a</i>	Fish, <i>a</i>	Perishing, <i>a</i>
Bliss, G., <i>a</i>	Fulcomer, A.,	Porterfield, <i>a</i>
Bond, <i>a</i>	Gleason, <i>a</i>	Rand, <i>a</i>
Brook, <i>a</i>	Griffith, <i>a</i>	Rothschild, <i>a</i>
Browne, <i>a</i>	Gwin, <i>a</i>	Schwarz, <i>a</i>
Campbell, J. T., <i>a</i>	Hurlbut, <i>a</i>	Walling, <i>a</i>
Coagrove, <i>a</i>	Hutchings, <i>a</i>	Wiley, <i>a</i>

Baker, *a*
Dibell, *a*
Dirks, *a*
Downing, *a*
Foster, *a*
Freeman, *a*

SECTION C.

Graves, *a*
Jegi, *a*
Linn, *a*
Lipsky, *a*
Loeb, *a*
Munson, *a*

Pierce, *a*
Roby,
Sampsell,
Stevens, *a*
Tefft, *a*
Wallace, *a*

SECTION D.

Anderson, *a*
Barrett, *a*
Breeden, *a*
Chamberlin, *a*
Dearing, *a*
Dornsife, *a*
Evans, *a*

Graves, *a*
Hartley, *a*
Jackson, *a*
Jordan, *a*
Kells, *a*
Lingle,

Macomber, *a*
Moore, *a*
Osgood, *a*
Peabody, *a*
Peterson, *a*
Trumbull, *a*

SECTION E.

Bachmann, *a*
Sealey, *a*

Taylor, *g*

White, *a*

SECTION F.

Alschuler, *a*
Barnard, *a*
Bennett, *a*
Braam,

Lackner, *a*
Minnick, *a*
Mitchell, *a*

Neel, *a*
Sawyer,
Tooker, *a*

(98)

Advanced Elocution. M. (2)**MR. S. H. CLARK.**

Atchley, *d*
Atwood, H., *a*
Brown, E., *a*
Coon, *d*
Flint, *a*
Goodman, A., *d*
Henderson, *u*

Hendrick, *d*
Hill,
Johnson, *a*
Sherman, F., *a*
Spooner, *d*
Steelman, *d*
Steigmeyer, *a*

Stewart,
Stone, H., *a*
Varney, *d*
Vreeland, *d*
Whyte, *a*
Williams, *a*
Wilson,

(21)

THE DIVINITY SCHOOL.**THE GRADUATE DIVINITY SCHOOL.****XLI. OLD TESTAMENT LITERATURE AND INTERPRETATION.**

(For detailed statement of class lists, see above Department VIII.)

XLII. NEW TESTAMENT LITERATURE AND INTERPRETATION.

(For detailed statement of class lists, see above Department IX.)

XLIII. BIBLICAL THEOLOGY.

(Students, 9; course registrations, 10.)

Old Testament Wisdom Literature. DM. (A42)**HEAD PROFESSOR HARPER.**

(Course not taken.)

Theology of the Synoptic Gospels (Seminar). DM. (B1)**HEAD PROFESSOR BURTON.**

Goodspeed, <i>g</i>	Heyland, <i>d</i>	Milligan, <i>g</i>
Herriek, <i>d</i>	Lisk, <i>d</i>	Starkweather, <i>d</i> (6)

Special Introduction to the Prophetic Books. DM. (A38)**ASSOCIATE PROFESSOR PRICE.**

Coon, *d*
Herrick, *d*

Randall, *d*

Varney, *d*

(4)

XLIV. SYSTEMATIC THEOLOGY.

(Students, 16; course registrations, 16.)

Soteriology. DM. (4)**Seminar in Christology. DMM. (8a)****HEAD PROFESSOR NORTHRUP.**

(Courses not given owing to the Professor's absence.)

Soteriology. DM. (21)**PROFESSOR JOHNSON.**

Allen, H., *d*
Dent, *d*
Fradenburg, J., *d*
Giblett, *d*
Gill, *d*
Hatch, *d*

Hoyt, *d*
Lockwood, C., *d*
Lockwood, Mrs. E., *d*
Mason, *d*
Morgan, Mrs. J., *d*

Robinson, *d*
Smith, C. H., *d*
Summers, *d*
West, *d*
Witt, *d*

(16)

XLV. CHURCH HISTORY,

(Students, 79; course registrations, 86.)

The Early Church from Constantine to Theodosius.

DM. (2)

HEAD PROFESSOR HULBERT.

Atchley, <i>d</i>	Hanson, <i>d</i>	McKinney, E. R., <i>d</i>
Chalmers, <i>d</i>	Hicks, <i>d</i>	Newcomb, <i>d</i>
Chapin, <i>d</i>	Hurley, <i>d</i>	Watson, <i>d</i>
Coon, <i>d</i>	Jones, H., <i>d</i>	Wilkin, <i>d</i>
Criswell, <i>d</i>	Jordan, <i>d</i>	Wood, W. R., <i>d</i>
Eaton, <i>d</i>	Lemon, <i>d</i>	Wright, <i>d</i>
Fletcher, <i>d</i>	Lockhart, J., <i>d</i>	

(20)

The Pilgrim Fathers and Plymouth Colony.

(32)

HEAD PROFESSOR HULBERT.

Allen, C., <i>d</i>	Ford, <i>d</i>	Rhodes, <i>d</i>
Blake, <i>d</i>	Giblett, <i>d</i>	Sanders, <i>d</i>
Boyer, <i>d</i>	Hendrick, <i>d</i>	Stucker, <i>d</i>
Case, F., <i>d</i>	Jones, H., <i>d</i>	Wishart, <i>d</i>
Criswell, <i>d</i>	Kinney, <i>d</i>	Wood, J. F., <i>d</i>
Dye, <i>d</i>	Peterson, <i>d</i>	Wood, W. R., <i>d</i>
Fisk, <i>d</i>	Randall, <i>d</i>	Wyant, <i>d</i>

(21)

Church History Prior to Constantine.

DM. (1)

ASSOCIATE PROFESSOR JOHNSON.

Anderson, J., <i>d</i>	Jackson, <i>d</i>	Rogers, <i>d</i>
Anderson, <i>d</i>	Jamison, <i>d</i>	Schub, <i>d</i>
Arbogast, <i>d</i>	Jones, A., <i>d</i>	Shoemaker, <i>d</i>
Behan, <i>d</i>	Joseph, <i>d</i>	Smith, <i>d</i>
Beyl, <i>d</i>	Kingsley, <i>d</i>	Snow, <i>d</i>
Bunyard, <i>d</i>	Kjellen, <i>d</i>	Spickler, <i>d</i>
Coggin, <i>d</i>	Meigs, <i>d</i>	Spooner, <i>d</i>
Crawford, <i>d</i>	Patchell, <i>d</i>	Stark, <i>d</i>
Davidson, <i>d</i>	Peterson, <i>d</i>	Stilwell, <i>d</i>
Ewing, <i>d</i>	Purinton, <i>d</i>	Tustin, <i>d</i>
Herring, <i>d</i>	Rhapstock, <i>d</i>	Williams, <i>d</i>
Hobbs, <i>d</i>	Rocin, <i>d</i>	

(35)

Preparation in England and Bohemia for the Reformation.

DM. (9)

ASSISTANT PROFESSOR MONCRIEF.

Beyl, <i>d</i>	Ford, <i>d</i>	Varney, <i>d</i>
Boyer, <i>d</i>	Guard, <i>d</i>	Watson, <i>d</i>
Chalmers, <i>d</i>	Halbert, <i>d</i>	Wilkin, <i>d</i>
Coffin, <i>g</i>	Speicher, <i>d</i>	Wright, C., <i>d</i>
Dye, <i>d</i>		

(13)

The French Reformation.

DM. (15)

ASSISTANT PROFESSOR MONCRIEF.

Aitchison, <i>d</i>	Rocin, <i>d</i>	Stucker, <i>d</i>
Eaton, <i>d</i>	Sanders, <i>d</i>	Tustin, <i>d</i>
Kinney, <i>d</i>		

(7)

XLVI. HOMILETICS.

(Students, 62; course registrations, 68.)

Homiletics.

DM. (2)

HEAD PROFESSOR ANDERSON.

Anderson, <i>d</i>	Haaton, <i>d</i>	Peterson, <i>d</i>
Anderson, <i>d</i>	Herring, <i>d</i>	Purinton, <i>d</i>
Arbogast, <i>d</i>	Hobbs, <i>d</i>	Rhapstock, <i>d</i>
Beyl, F., <i>d</i>	Jackson, <i>d</i>	Rogers, <i>d</i>
Borden, <i>d</i>	Jamison, <i>d</i>	Schub, <i>d</i>
Bunyard, <i>d</i>	Jones, A., <i>d</i>	Shoemaker, <i>d</i>
Coggin, J., <i>d</i>	Kjellen, <i>d</i>	Smith, A., <i>d</i>
Criswell, <i>d</i>	Lemon, <i>d</i>	Snow, <i>d</i>
Davidson, <i>d</i>	McKinney, <i>d</i>	Spooner, <i>d</i>
Georges, <i>d</i>	Murray, <i>d</i>	Stark, <i>d</i>
Ewing, <i>d</i>	Newcomb, <i>d</i>	Stilwell, <i>d</i>
Guard, <i>d</i>	Patrick, <i>d</i>	Williams, <i>d</i>
Hanson, <i>d</i>		

(37)

Sermons.

DM.

HEAD PROFESSOR ANDERSON.

Atchley, <i>d</i>	Fletcher, <i>d</i>	Rocin, <i>d</i>
Braker, <i>d</i>	Hurley, <i>d</i>	Rogers, <i>d</i>
Chapin, <i>d</i>	Kinney, <i>d</i>	Sanders, <i>d</i>
Eaton, <i>d</i>	Lockhart, <i>d</i>	Wood, <i>d</i>
Fisk, <i>d</i>	Randall, <i>d</i>	Wright, <i>d</i>

(15)

Pastoral Duties.

M. 1st Term. (5)

ASSOCIATE PROFESSOR HENDERSON.

Beyl, <i>d</i>	Fradenburg, <i>d</i>	Jones, H., <i>d</i>
Chapin, <i>d</i>	Gill, <i>d</i>	Lockhart, J., <i>d</i>
Cressey, <i>d</i>	Goodman, <i>d</i>	McDonald, <i>d</i>
Dexter, <i>d</i>	Hendrick, <i>d</i>	Rhodes, <i>d</i>
Dye, <i>d</i>	Hurley, H., <i>d</i>	Sanders, <i>d</i>
Eaton, <i>d</i>		

(16)

Homiletics.

DM. (6a)

ASSOCIATE PROFESSOR JOHNSON.

(Course not taken.)

THE ENGLISH THEOLOGICAL SEMINARY.

XVI. BIBLICAL LITERATURE IN ENGLISH.

(Students, 35; course registrations, 46.)

The Minor Prophets.

DM. (A17)

ASSOCIATE PROFESSOR PRICE.

Briggs, <i>d</i>	Gill, <i>d</i>	Perkins, <i>d</i>
Carrol, <i>d</i>	Henry, <i>d</i>	Robinson, <i>d</i>
Case, F., <i>d</i>	Hoover, <i>d</i>	Schlamann, <i>d</i>
Claypool, <i>d</i>	Hoyt, <i>d</i>	Schlosser, <i>d</i>
Coggins, P., <i>d</i>	Huckleberry, <i>d</i>	Summers, <i>d</i>
Dexter, <i>d</i>	Montague, <i>d</i>	White, <i>d</i>
Giblett, <i>d</i>	Morgan, <i>d</i>	

(20)

Founding of the Christian Church.

(Course not taken.)

MR. VOTAW.

Teaching of Jesus.

DM. (B21)

MR. VOTAW.

Allen, H., <i>d</i>	Henry, <i>d</i>	Schlamann, <i>d</i>
Berry, <i>d</i>	Hoover, <i>d</i>	Smith, <i>d</i>
Briggs, <i>d</i>	Huckleberry, <i>d</i>	Stucker, <i>d</i>
Case, F., <i>d</i>	Lockwood, C., <i>d</i>	Summers, <i>d</i>
Coggins, P., <i>d</i>	Lockwood, E., <i>d</i>	Vreeland, <i>d</i>
Dent, <i>d</i>	Minnick, <i>a</i>	West, J., <i>d</i>
Georges, <i>d</i>	Montague, <i>d</i>	Witt, S., <i>d</i>
Giblett, <i>d</i>	Perkins, <i>d</i>	Woods, F., <i>d</i>
Hatch, <i>d</i>	Robinson, <i>d</i>	

(26)

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

L. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION (DANO-NORWEGIAN).

(Students, 11; course registrations, 17.)

New Testament Greek. DM. (11)

ASSISTANT PROFESSOR GUNDERSEN.

Andersen, H. P.,	Kristoffersen,	Nelsen, M.,	
Arnsbach,	Larsen, J.,	Overgaard,	
Christensen,	Larsen, N.,	Rasmussen,	(11)
Holm,	Nielsen, J. P.,		

Hermeneutics. DM. (10)

ASSISTANT PROFESSOR GUNDERSEN.

Arnsbach,	Kristoffersen,	Larsen, N.,	
Christensen,	Larsen, J.,	Nielsen, J. P.,	(8)

LI. SYSTEMATIC THEOLOGY (DANO-NORWEGIAN).

(Students, 9; course registrations, 18.)

Introduction to the Science of Christian Theology.

M. 1st Term. (1)

PROFESSOR JENSEN.

Andersen, H. P.,	Larsen, J.,	Nelsen, M.,	
Christensen,	Larsen, N.,	Overgaard,	
Kristoffersen,	Nielsen, J. P.,	Rasmussen,	(9)

Antecedents of Redemption. M. 2d Term. (2)

PROFESSOR JENSEN.

Andersen, H. P.,	Larsen, J.,	Nelsen, M.,	
Christensen,	Larsen, N.,	Overgaard,	
Kristoffersen,	Nielsen, J. P.,	Rasmussen,	(9)

LII. HOMILETICS AND PASTORAL DUTIES (DANO-NORWEGIAN).

(Students, 4; course registrations, 4.)

Sermonizing and Preaching. DM. (2)

PROFESSOR JENSEN.

Andersen, H. P.,	Overgaard,	Rasmussen,	(4)
Nelsen, M.,			

THE SWEDISH THEOLOGICAL SEMINARY.

LV. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION (SWEDISH).

(Students, 23; course registrations, 42.)

The Gospel of John. M. 1st Term. (1)

ASSISTANT PROFESSOR MORTEN.

Alden,	Dahlen,	Nylin, J. D.,	
Anderson, C. A.,	Erikson,	Oberg,	
Anderson, Anton,	Johnson, G. A.,	Peterson,	
Backlund,	Lagerqvist,	Rosenlund,	
Bjorkqvist,	Lindberg,	Scott,	
Calmer,	Lindstrom,	Wallman,	(20)
Carlson, M.,	Nelson, Nels,		

Sacred Geography and Antiquities. M. 1st Term. (2)

ASSISTANT PROFESSOR MORTEN.

Bjorkqvist,	Dahlen,	Peterson,	
Calmer,	Johnson, J. D.,	Scott,	
Carlson, J. A.,	Lindberg,	Wallman,	(11)
Clint,	Oberg,		

Biblical Introduction. MM. 2d Term. (3)

ASSISTANT PROFESSOR MORTEN.

Bjorkqvist,	Dahlen,	Peterson,	
Calmer,	Johnson, J. D.,	Scott,	
Carlson, J. A.,	Lindberg,	Wallman,	(11)
Clint,	Oberg,		

LVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES (SWEDISH).

(Students, 9; course registrations, 18.)

The Doctrine of Redemption and Salvation. MM

1st Term. (4)

PROFESSOR LAGERGREN.

Carlson, J. A.,	Clint,	Nylen, C. E.,	
Carlson, O. F.,	Johnson, J. D.,	Olson, L. E.,	
Carlson, S. G.,	Nelson, S. A.,	Sandell,	(9)

The Doctrine of the Church and the Last Things.

MM. 2d Term. (5)

PROFESSOR LAGERGREN.

Carlson, J. A.,	Clint,	Nylen, C. E.,	
Carlson, O. F.,	Johnson, J. D.,	Olson, L. E.,	
Carlson, S. G.,	Nelson, S. A.,	Sandell,	(9)

Students whose names are not included in the above lists are pursuing studies preparatory to the Divinity courses proper.

OBITUARY.

John Byrd Whaley

DIED OCTOBER 14, 1894.

John B. Whaley, of Plymouth, North Carolina, a Graduate Student in the Departments of Semitic Languages and Ancient History, pursued studies first in the Western Maryland College, where he graduated in 1889; then in the Johns Hopkins University, and from 1892-4 in the University of Chicago. He was, during the year 1893-4, the representative of the Semitic Club to the University Union, and at the time of his death, president of the Union. Having accepted the Professorship of Old Testament Literature in the Western Maryland College, he was about to enter upon his duties, for the performance of which he was peculiarly well fitted,

when his health began to fail. He died in Baltimore, October 14, at the age of twenty-seven. Mr. Whaley was a man of attractive personality. In his University life he showed himself thoroughly earnest as a student, honest in his thinking, and always ready to respond to the duties which presented themselves. He entered with more than ordinary zeal into various forms of Christian work, for which his knowledge of the Scriptures especially fitted him. It is felt that, in him, the University and the institution in which he was to have taught, have lost one from whom much was confidently expected in devoted and effective service.

THE QUARTERLY REPORT

CONCERNING THE SEVERAL DIVISIONS OF THE UNIVERSITY. SUMMER QUARTER, 1894.

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

1. LIST OF DEPARTMENTS, INSTRUCTORS, AND COURSES.

[The numerals indicate the work of each Instructor reckoned in Double Minors, as taken by students in the several divisions.]

Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total	Department.	Instructor.	Grad. Sch.	Univ. Coll.	Acad. Coll.	Div. Sch.	Total
Philosophy. ¹	Dewey.	2	0	0	1	2	German. ¹¹	Cutting.	3	1	2	0	3
	Tufts.	2	2	1	0	2		von Klenze.	3	0	2	2	3
Political Economy. ²	Miller.	3	1	2	0	3		Mulfinger.	2	1	2	0	2
	Hill.	1	0	1	0	1	English. ¹²	Sherman.	1	1	1	0	1
	Caldwell.	1	0	1	0	1		McClintock.	2	1	2	1	2
Political Science. ³	Hourwich.	1	0	1	0	1		Blackburn.	3	1	2	0	3
	Judson.	2	2	2	0	2		Herrick.	2	1	2	0	2
History. ⁴	Conger.	1	1	1	0	1		Lovett.	2	0	2	0	2
	Terry.	2	1	1	0	2	Biblical Lit. in English. ¹³	Burnham.	$\frac{1}{2}$	0	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
	Goodspeed.	$\frac{1}{2}$	0	1	1	1		Mathews.	$\frac{1}{2}$	$\frac{1}{2}$	0	$\frac{1}{2}$	$\frac{1}{2}$
	Thatcher.	0	1	1	0	1		Votaw.	$\frac{1}{2}$	$\frac{1}{2}$	0	$\frac{1}{2}$	$\frac{1}{2}$
	Shepardson.	1	$\frac{1}{2}$	$\frac{1}{2}$	0	1	Mathematics. ¹⁴	Moore.	$2\frac{1}{4}$	0	0	0	$2\frac{1}{4}$
Sociology. ⁵	Wirth.	$\frac{1}{2}$	0	0	0	$\frac{1}{2}$		Young.	2	0	0	0	2
	Small.	1	1	0	1	1		Slaughter.	$\frac{1}{2}$	0	1	0	1
	Henderson.	1	$\frac{1}{2}$	0	$\frac{1}{2}$	1		Hutchinson.	1	0	0	0	1
	Bemis.	1	1	0	1	1		Smith.	2	0	2	0	2
Comparative Religion.	Thomas.	1	1	0	1	1	Astronomy. ¹⁵	See.	2	0	0	0	2
	Fulcomer.	1	1	0	1	1		Laves.	2	0	1	0	2
Semitics. ⁶	Goodspeed.	1	1	1	1	1	Physics.	Michelson.	4	0	0	0	4
	Harper, W.R.	2	$\frac{1}{2}$	0	$2\frac{1}{2}$	$2\frac{1}{2}$		Stratton.	3	1	1	0	3
	Burnham.	0	0	0	1	1		Hobbs.	1	1	1	0	1
	Price.	1	1	0	$1\frac{1}{2}$	$1\frac{1}{2}$	Chemistry. ¹⁶	Nef.	$2\frac{1}{4}$	0	0	0	$2\frac{1}{4}$
Bibl. & Patr. Greek. ⁷	Harper, R.F.	0	0	0	$2\frac{1}{2}$	$2\frac{1}{2}$		Schneider.	5	4	2	0	5
	Crandall.	$\frac{1}{2}$	$\frac{1}{2}$	0	1	1		Stieglitz.	6	0	2	0	6
Sanskrit.	Mathews.	0	0	0	$\frac{1}{2}$	$\frac{1}{2}$	Geology. ¹⁷	Curtiss.	4	0	0	0	4
	Arnolt.	1	0	0	1	1		Salisbury.	$2\frac{1}{2}$	0	$1\frac{1}{2}$	0	$2\frac{1}{2}$
Greek. ⁸	Buck.	3	0	0	0	3	Zoology. ¹⁸	Whitman.	3	0	0	0	3
	Shorey.	1	0	$\frac{1}{2}$	$\frac{1}{2}$	1		Jordan.	1	1	1	0	1
	Owen.	2	2	2	0	2	Anatomy and Histology.	Eycleshymer	1	0	1	0	1
	Hussey.	$\frac{1}{2}$	0	0	0	$\frac{1}{2}$		Lingle.	3	1	1	0	3
Latin. ⁹	Heidel.	0	$\frac{1}{2}$	$\frac{1}{2}$	0	$\frac{1}{2}$	Neurology.	Donaldson.	2	0	0	0	2
	Hale.	1	0	$\frac{1}{2}$	0	1		Baur.	$\frac{1}{2}$	0	$\frac{1}{2}$	0	$\frac{1}{2}$
	Chandler.	2	0	$1\frac{1}{2}$	0	2	Botany.	Clarke.	1	1	1	0	1
	Post.	1	0	0	0	1		Elocution. ²⁰					
Romance. ¹⁰	Moore.	$\frac{1}{2}$	0	1	0	1							
	Walker.	$\frac{1}{2}$	0	1	0	1							
	Knapp.	2	1	0	0	2							
	Bergeron.	2	2	3	0	3							
	Howland.	4	2	1	1	4							

On leave of absence: ¹ Associate Professor Strong, Associate Professor Bulkley. ² Head Professor Laughlin, Dr. Veblen, Dr. Cummings. ³ Miss Wallace. ⁴ Head Professor von Holst, Dr. Schwill. ⁵ Assistant Professor Talbot, Assistant Professor Starr, Mr. Vincent. ⁶ Professor Hirsch, Dr. Kent. ⁷ Head Professor Burton, Mr. Votaw. ⁸ Professor Tarbell, Assistant Professor Castle, Assistant Professor Capps. ⁹ Professor Abbott, Assistant Professor Miller. ¹⁰ Dr. De Poyen-Belliale, Miss Wallace. ¹¹ Assistant Professor Schmidt-Wartenberg. ¹² Professor Wilkinson, Professor Moulton, Associate Professor Butler, Assistant Professor Crow, Assistant Professor Tolman, Dr. Lewis. ¹³ Associate Professor Price, Dr. Kent. ¹⁴ Professor Bolsa, Assistant Professor Maschke, Dr. Boyd. ¹⁵ Associate Professor Hale. ¹⁶ Dr. Lengfeld. ¹⁷ Head Professor Chamberlin, Associate Professor Iddings, Associate Professor Penrose. ¹⁸ Dr. Wheeler, Dr. Watasé. ¹⁹ Assistant Professor Loeb. ²⁰ Mr. Clark.

2. DEPARTMENTS, WITH NUMBER OF COURSES AND STUDENTS.

Department.	Grad. School.		Divin. School.		Univ. Colleges.		Acad. Colleges.		Unclassified.		Total.	
	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.	DM.	Students.
Philosophy, A and B	4	17	1	1	2	6	1	2	3	18	4	44
Political Economy	6	17	0	0	1	3	5	7	4	9	5	36
Political Science	3	20	0	0	3	6	3	14	3	11	3	51
History	4	19	1	25	2½	6	3½	23	6	24	5½	97
Sociology and Anthropology ..	5	17	4½	10	4½	3	0	0	5	9	5	39
Comparative Religion	1	1	1	10	1	2	1	1	1	2	1	16
Semitic Languages	3½	2	8½	36	2	1	0	0	3	1	7½	40
Biblical and Patristic Greek ..	1	1	1½	9	0	0	0	0	0	0	1½	10
Sanskrit and Indo-Europ. Phil.	3	13	0	0	0	0	0	0	½	2	3	15
Greek	3½	25	½	3	2½	2	3	13	3½	8	4	51
Latin	5	35	0	0	0	0	4	12	5½	29	6	76
Romance	8	13	1	1	5	8	4	9	4	18	9	49
German	8	22	2	2	2	3	6	18	8	30	8	75
English	10	70	1	3	4	5	9	30	7	81	10	189
Biblical Literature in English ..	1½	3	1½	22	1	2	½	1	½	2	1½	30
Mathematics	7¼	30	0	0	0	0	3	3	5	9	9¼	42
Astronomy	4	9	0	0	0	0	1	4	4	4	4	17
Physics	8	22	0	0	2	3	2	18	5	20	8	63
Chemistry	17¼	24	0	0	4	2	4	6	10	31	17¼	63
Geology and Mineralogy	2½	8	0	0	0	0	1½	5	2½	4	2½	17
Zoölogy	8	18	0	0	1	1	1	5	1	9	4	33
Anatomy and Histology	1	12	0	0	0	0	1	3	1	4	1	19
Physiology	3	7	0	0	1	1	1	5	2	6	3	19
Neurology	2	9	0	0	0	0	0	0	1	1	2	10
Palæontology	½	1	0	0	0	0	½	1	0	0	½	2
Botany	1	4	0	0	1	1	1	18	1	11	1	34

COMPARATIVE REGISTRATION OF SUMMER AND AUTUMN QUARTERS, 1894.

	Registration of Summer Quarter.			Discontinuing at Beg. of Aut. Quarter.		Receiving Degrees or Certif. Oct. 1, 1894.		Entering at Beg. of Autumn Quarter.		Registration of Autumn Quarter.		
	Men.	Wom.	Total.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Men.	Wom.	Total.
Graduate School	158	65	223	106	44	3	1	122	69	171	89	260
Non-Res. Grad. Students	19	3	22	4	1	..	..	12	2	27	4	31
University Colleges	28	10	38	6	4	3	..	18	22	37	28	65
Academic Colleges	66	17	83	5	2	5	1	141	203	197	121	318
Unclassified	69	103	171	53	88	4	1	22	63	34	77	112
Grad. Div. School	42	1	43	19	1	..	..	84	1	107	1	108
Engl. Theol. Sem.	15	2	17	8	1	..	..	27	5	34	6	40
Dan-Norw. Theol. Sem. ....	..	..	..	..	..	..	..	23	2	23	2	25
Swedish Theol. Sem. ....	..	..	..	..	..	..	..	37	..	37	..	37

Students registering too late for classification..... 12

Names repeated..... 8

Total,..... 1000

Total attendance, Autumn Quarter, 1893..... 748

Registration for Summer Quarter, 1894..... 597

Registration for Autumn Quarter, 1894..... 1000

RECORDS.

INSTITUTIONS FROM WHICH STUDENTS HAVE COME WITH NUMBER IN EACH CASE.

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.
Acadia University.....	3	1	1	Davidson College.....	1	1	1	Lake Erie Seminary.....	
Adrian College.....	1	1	1	Denison University.....	1	1	1	Lake Forest University.....	
Albion College.....	6	1	1	De Pauw University.....	6	1	1	Lake High School.....	
Alfred University.....	1	1	1	Des Moines College.....	1	1	1	Landshut Real Gymnasium	
Alleghany College.....	1	1	1	Doane College.....	1	1	1	(Germany).....	
Allen's Academy.....	1	1	1	Drake University.....	1	1	2	Lawrence University.....	
Amherst College.....	1	1	1	Drake Divinity School.....	1	1	1	Leipsic, University of.....	
Arkansas, University of.....	1	1	1	Drury College.....	1	1	1	Leland Stanford, Jr., Univ...	
Augustana College.....	1	1	1					Lombard University.....	
Baldwin University.....				Earlham College.....	2	1	1	Louisiana, University of.....	
Baptist Union Theological				East London Institute.....	2	1	1	Luther College.....	
Seminary.....			1	Elmira College.....	1	1	1	Lyons High School.....	
Bates College.....			1	Emory College.....	2	1	1		
Beloit College.....	1	2	1	Emporia College.....	1	1	1	Maine State College.....	
Beloit Academy.....	1	1	1	Episcopal Theological School	1	1	1	Manitoba, University of.....	
Berea College.....	1	1	1	(Cambridge, Mass.).....	1	1	1	Marietta College.....	
Berlin, University of.....			1	Eureka College.....	1	1	1	Marion Simms College of	
Bethany College.....			1					Medicine.....	
Bethel College.....			1	Fisk University.....	1	1	1	Massachusetts Agricultural	
Bible Institute.....			1	France, University of.....	1	1	1	College.....	
Borden Institute.....			2	Franklin College.....	1	1	1	Massachusetts Institute of	
Boston, University of.....	1	1	1	Freiburg, University of.....	1	1	1	Technology.....	
Bowdoin College.....			1	(Baden).....	1	1	1	McGill University.....	
Brown University.....			1	Furman University.....	1	1	1	Miami University.....	
Bryn Mawr College.....			1					Michigan State Agricultural	
Bucknell University.....	3	1	1	Garret Biblical Institute.....	1	1	1	College.....	
Bushnell University.....			1	Grove City College.....	1	1	1	Michigan State Nor. School..	
Butler University.....			1					Michigan, University of.....	
California College.....			1	Hamilton College.....	1	1	1	Middlebury College.....	
California, University of.....	1	1	1	Hamline University.....	1	1	1	Millersville Normal School..	
Calvin College.....			1	Hampden Sidney College.....	1	1	1	(Pennsylvania).....	
Cambridge University.....			1	Hanover College.....	1	1	1	Milton College.....	
Carleton College.....	4	1	1	Hartsville College.....	1	1	1	Minsk Gymnasium.....	
Cedar Valley Seminary.....			1	Harvard University.....	7	1	1	(Russia).....	
Central College.....	1	1	1	Harvard College.....	1	1	1	Minnesota, University of.....	
Central Wesleyan College.....	1	1	1	Haverford College.....	1	1	1	Mississippi, Agricultural and	
Chicago High School.....			1	Healdsburg College.....	1	1	1	Mechanical College of.....	
(North Division).....			1	Hebron Academy.....	1	1	1	Mississippi, Industrial Insti-	
Chicago High School.....			1	Heidelberg College.....	2	1	1	tute and College of.....	
(South Division).....			1	Hilldale College.....	2	1	1	Mississippi, University of.....	
Chicago High School.....			1	Hiram College.....	2	1	1	Missouri, University of.....	
(West Division).....			1	Hope College.....	1	1	1	Monmouth College.....	
Chicago, Old University of.....	4	1	1	Hulme Cliff College.....	1	1	1	Moody's Bible Institute.....	
Chicago, The University of.....	8	1	1	(Sheffield, England).....	1	1	1	Morgan Park Academy.....	
Chicago Theological Semi-			1	Illinois College.....	2	1	1	Morgan Park Swedish Acad-	
nary.....			1	Illinois Normal University.....	2	1	1	emy.....	
Chicago Training School.....			1	Illinois, University of.....	2	1	1	Morgan Park Theological	
Christian University.....			1	Illinois Wesleyan College.....	3	1	1	Seminary.....	
Cincinnati, University of.....	1	1	1	India, Military School of.....	1	1	1	Mt. Allison College.....	
Cliff College.....			2	Indiana State Normal School	7	1	1	Mt. Hermon School.....	
(England).....			2	Indiana, University of.....	7	1	1	Mt. Holyoke College.....	
Clinton College.....	1	1	1	Indian University.....	1	1	1	Mt. Morris College.....	
Colby University.....	2	1	1	Ingham College.....	1	1	1	Mt. St. Mary's College.....	
Colgate College.....			4	Iowa College.....	3	1	1	Muhlenberg College.....	
Colgate University.....	6	1	1	Iowa College, Academy.....	1	1	1	Muskingum College.....	
Colorado, University of.....			4	Iowa, State University of.....	1	1	1		
Columbia College.....	3	1	1					Nashville, University of.....	
Columbian University.....			4	Jacksonville High School.....	1	1	1	National Normal University.....	
Concordia College.....			4	Johns Hopkins University.....	1	1	1	Nebraska, University of.....	
Cornell College.....			4					New Hampton Biblical and	
(Iowa).....			4	Kalamazoo College.....				Literary Institute.....	
Cornell University.....	4	2	1	Kansas State Agricultural	1	1	1	Newton Theological Semi-	
Cotner University.....			1	College.....	1	1	1	nary.....	
Crozer Theological Seminary	1	1	1	Kansas, University of.....	3	1	1	New York, University of the	
Cumberland University.....			2	Kentucky College.....	2	1	1	City of.....	
				Kentucky College of Liberal				North Dakota, University of.	
Dakota, University of.....				Arts.....				Northwest College.....	
Dalhousie College.....				Kenyon College.....	1	1	1	Northwestern University.....	
Dartmouth College.....	3	1	1	Knox College.....	1	1	1	Notre Dame, University of.	
Daughters College.....	1	1	1						
				Lafayette College.....	1	1	1	Oberlin College.....	
				La Grange College.....	1	1	1	Oberlin Seminary.....	

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.—Continued.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.
Ohio Institute for the Blind..	..	..	1	Simpson College.....	1	..	..	Wabash University.....	1	..	..
Ohio Normal University.....	..	1	..	Sioux Falls University.....	..	..	..	Wafford College.....	1	..	..
Ohio State University.....	4	1	..	Smith College.....	..	..	..	Wake Forest College.....	..	..	..
Ohio Wesleyan University.....	3	1	..	South Dakota Agricultural College.....	..	..	1	Washington and Jefferson College.....	1	..	..
Olivet College.....	1	..	..	State Normal School.....	..	..	..	Washington and Lee Univ.....	1	..	..
Omaha, University of.....	..	..	..	(Westchester, Pa.).....	1	..	..	Waynesburg College.....	1	..	..
Orooniah College.....	..	..	1	Stevens Institute of Tech.....	2	..	..	Wellesley College.....	10	1	..
(Persia).....	..	..	..	Stockholm Baptist Theolog- ical Seminary (Sweden).....	..	..	..	Wesleyan Theological College	2	..	1
Oshkosh High School.....	..	..	..	Syracuse University.....	2	..	..	Wesleyan University.....	4	..	..
Oakaloosa College.....	..	1	1					Western College.....	1	..	..
Ottawa University.....	2	1	1	Tennessee, University of.....	1	..	..	(Toledo, Iowa).....	1	..	..
Otterbein University.....	1	..	..	Texas, University of.....	1	..	..	Western Maryland College.....	1	..	..
Oxford University.....	1	..	..	Theological Seminary.....	1	..	..	Western Reserve University.....	1	..	..
Parsons College.....	1	..	..	(Columbus, O.).....	1	..	..	West Virginia, University of.....	1	..	..
Penn College.....	1	..	2	Toronto, University of.....	5	..	..	Wheaton College.....	1	..	..
Pennsylvania, University of.....	1	..	1	Trinity College.....	1	1	..	Willamette University.....	1	1	..
Pillsbury Academy.....	..	..	..	Trinity University.....	2	1	..	William Jewell College.....	..	..	3
Plattsburg High School.....	5	1	..	(Texas).....	..	..	..	Williams College.....	1	..	..
Princeton College.....	1	..	..	Union Christian College.....	..	..	..	Wilmington College.....	1	..	..
Purdue University.....	1	..	..	Union College.....	1	..	..	Wisconsin State University.....	1	..	..
Racine College.....	1	..	1	Union Theological Seminary.....	..	2	..	Wisconsin, University of.....	4	..	..
Randolph Macon College.....	..	1	..	Upper Iowa University.....	1	..	..	Wittenberg College.....	1	..	..
Rawitch Real Gymnasium.....	6	..	..	Utah, University of.....	1	..	..	Woods Holl.....	..	..	..
Rochester, University of.....	2	1	..					Woodstock College.....	..	..	..
Rockford Seminary.....	2	..	..	Vanderbilt University.....	3	2	..	(Ontario).....	1	..	..
Rutgers College.....	1	..	..	Vassar College.....	5	..	..	Wooster, University of.....	1	..	..
St. John's College.....	1	..	2	Vermont, University of.....	..	1	..	Worcester Academy.....	..	1	..
St. Mary's Seminary.....	1	..	1	Vienna, University of.....	..	..	..	Yale University.....	3	1	..
Scio College.....	..	..	1	(Austria).....	..	..	..	Zürich University.....	1	..	..
Shurtleff College.....	..	..	..	Victoria University.....	1	..	..		

2. ACADEMIC COLLEGES AND UNCLASSIFIED STUDENTS.

	Academic Colleges.	Unclas. Students.		Academic Colleges.	Unclas. Students.		Academic Colleges.	Unclas. Students.
Adelphi Academy.....	Campbell University.....	..	..	Colorado, University of.....	1	1
Albion College.....	1	1	Carleton College.....	..	..	Columbian College.....	1	..
Albion School.....	1	..	Cedar Rapids (Iowa) High School	..	..	Cook Academy.....	..	..
Amherst College.....	..	1	Cedar Valley Seminary.....	1	..	Cook County Normal School.....	..	2
An'che Maraav School.....	..	1	Central Normal College.....	..	1	Cornell College.....	..	..
Armour Institute.....	..	1	Central University (Pella).....	..	1	Cornell University.....	..	3
Ashland High School.....	..	1	Chauncey Hall School.....	..	..	Council Bluffs High School.....	1	1
Ashley High School.....	..	1	Chautauqua Coll. of Lib. Arts.....	1	1	Creston High School.....	..	1
Astoria High School.....	..	1	Chicago Academy.....	1	..			
Aurora School.....	..	3	Chicago High School.....	..	1	Dalton Female College.....	..	1
Baltimore Female High School.....	Chicago High School.....	2	1	Danville Normal School.....	..	1
Barton Academy.....	..	1	(West Division).....	1	1	Decatur High School.....	..	..
Beardston High School.....	..	1	Chicago High School.....	1	1	Denison University.....	..	1
Bellewood Seminary.....	..	1	(North Division).....	..	..	De Pauw University.....	2	..
Beloit College.....	..	1	Chicago High School.....	..	..	Doane College.....	..	1
Bethany College.....	..	1	(Northwest Division).....	..	..	Drake University.....	..	2
Blue Mountain University.....	..	1	Chicago High School.....	..	..	Drury College.....	..	..
Boston University.....	..	1	(South Division).....	6	..	Dubuque High School.....	..	3
Bryn Mawr College.....	..	1	Chicago Institute of Technology	..	1			
Buchtel College.....	Chicago Manual Training School	..	..	East Tennessee, University of.....	1	1
Buena Vista College.....	1	..	Chicago, Old University of.....	..	1	Edinburgh, University of.....	..	1
Buffalo Normal School.....	..	1	Christian University.....	..	..	Elgin High School.....	..	1
Burr & Burton Seminary.....	Cincinnati, University of.....	..	..	Emporia (Kansas), College of.....	..	..
Butler University.....	Cincinnati High School.....	..	..	Englewood High School.....	3	1
			Coe College.....	..	..	Eureka College.....	1	..
California College.....	Colby Academy (N. H.).....	1	1	Evansville Classical School.....	..	..
Cambridge English High School	..	1	Colgate University.....	1	1	Evanston High School.....	1	..
			Collingwood College.....	1	1			

2. ACADEMIC COLLEGES AND UNCLASSIFIED STUDENTS.—Continued.

	Academic Colleges.	Unclass. Students.		Academic Colleges.	Unclass. Students.		Academic Colleges.	Unclass. Students.
Ferry Hall (Lake Forest).....	1	..	Monmouth College.....	..	1	St. Joseph's Academy.....	..	1
Franklin Academy.....	..	1	Monticello Seminary.....	..	1	St. Joseph High School.....	..	..
Furman University.....	1	..	Morgan Park Academy.....	..	1	St. Lawrence University (N.Y.)..	..	..
Grand River Institute.....	..	1	Morgantown High School.....	..	1	St. Louis High School.....	1	..
Hamilton High School.....	..	1	Mt. Auburn Institute.....	..	1	St. Louis University.....	..	1
Hanover College.....	1	..	Mt. Carroll Seminary.....	..	1	St. Mary's Academy.....	..	1
Hedding College.....	..	..	Mt. Hermon School.....	..	1	St. Mary's College.....	..	1
Henderson High School.....	..	..	Mt. (Northfield, Mass.).....	..	1	St. Paul's High School.....	..	1
Herrig (Miss) School.....	..	..	Mt. Holyoke College.....	1	1	Salem Academy.....	..	1
Higbee (Miss) Academy.....	..	..	Mt. Holyoke Seminary.....	1	1	Saratoga High School.....	..	..
Hillsdale College.....	..	1	Mt. Morris College.....	1	1	Sauk Centre High School.....	..	..
Hiram College.....	..	1	Nebraska State Normal School..	..	..	Shepardson College.....	..	1
Hope College.....	..	..	Nebraska, University of.....	1	..	Sidney High School.....	..	..
Howard University.....	..	..	New Lyme Institute.....	..	1	Simpson College.....	..	..
Hutchinson's (Miss) School.....	..	1	New York, College of the City of	..	1	Smith College.....	..	..
Hyde Park High School.....	2	..	New York State Normal School..	1	1	South Chicago High School.....	1	..
Illinois College, Northern.....	..	1	Normal School Physical Training	..	..	South Dakota, University of.....	..	..
Illinois Normal University.....	1	..	Northern Indiana Normal School	..	2	Southern Baptist Theological	..	..
Illinois, University of.....	1	1	Northwestern University.....	1	3	Seminary.....	..	1
Illinois Wesleyan University.....	1	3	Notre Dame, University of.....	1	..	South Kansas Academy.....	..	..
Iowa State Normal School.....	..	1	Oakland High School.....	1	..	South Side School (Chicago)....	9	1
Iowa, University of.....	..	..	Oberlin College.....	..	3	Springfield High School.....	..	..
Jamestown High School.....	..	..	Ohio Wesleyan College.....	2	1	Stillport Girls' Seminary.....	..	1
Jennings Seminary.....	..	..	Olivet College.....	..	1	Streator High School.....	..	1
Johns Hopkins University.....	..	1	Omaha (Iowa) High School.....	2	..	Taganrog Gymnasium (Russia)...	1	..
Kalamazoo College.....	2	..	Oneida High School.....	..	..	Temple College (Philadelphia)...	..	1
Kalamazoo High School.....	..	1	Oswego Normal and Training	..	..	Ten Brock Free Academy.....	..	1
Kansas State Normal.....	..	4	School.....	..	..	Terrill College.....	..	..
Kenyon Military Academy.....	..	..	Ottawa University.....	..	1	Tillotson Institute (Austin)....	..	1
Kirkland School, Chicago.....	..	..	Owensboro High School.....	..	1	Trinity College (Dublin).....	1	..
Lake Forest Academy.....	1	..	Packer Institute.....	..	..	Union Christian College.....	..	2
Lake Forest College.....	..	1	(Brooklyn, N. Y.).....	..	..	University School (Chicago)....	..	..
Lake High School.....	1	..	Parr Preparatory School.....	..	..	Upper Iowa University.....	..	1
Landshut (Germany).....	..	..	Peddle Institute, N. J.....	..	..	Vassar College.....	..	2
Real Gymnasium.....	..	..	Peoria High School.....	1	2	Visitation Academy.....	..	..
Lawrenceville (N. J.).....	1	..	Pennington Seminary (N. J.)....	..	..	Wabash High School.....	..	1
Leavenworth High School.....	..	1	Phillips Academy (Andover)....	..	..	Washburn College.....	..	..
Lebanon High School.....	..	1	Phillips Exeter Academy.....	1	..	(Topeka, Kansas).....	1	..
Leroy Union School.....	..	..	Pierceton High School.....	..	1	Wayland Academy.....	1	..
Lupton (Miss) School.....	..	..	Plainfield High School.....	..	..	Wellesley College.....	1	1
Lyndon Institute.....	1	..	Plano High School.....	..	..	Wells College.....	..	..
Lyons High School.....	..	..	Pontiac High School.....	..	1	Western Normal College.....	..	1
MacDonald Ellis School.....	..	..	Portage High School.....	..	1	Western Theological Seminary...	..	1
Maine Wesleyan College.....	..	1	Porter (Miss) School.....	..	..	Wheaton College.....	1	..
Manchester High School.....	..	1	Portland High School.....	..	1	Wheaton Seminary.....	..	..
Marietta High School.....	..	1	Potsdam State Normal School..	..	1	Williamette University.....	..	..
Meriden High School.....	..	..	Princeton High School.....	1	..	Williams College.....	1	..
Michigan State Normal.....	..	3	Proseminary (Elmhurst).....	..	1	Williamsport High School.....	..	..
Michigan, University of.....	2	..	Purdue University.....	..	1	Wisconsin State Normal.....	..	1
Millersburg Female Seminary...	..	..	Racine Academy.....	..	..	Wisconsin, University of.....	1	..
Missouri State Normal School...	..	3	Rhode Island State Normal.....	..	1	Wittenberg College.....	..	1
Missouri, University of.....	..	1	Rochester, University of.....	..	..	Woodstock College.....	..	..
Missouri Valley College.....	..	1	Rockford Seminary.....	..	1	Wooster University.....	1	..
			St. Catherine's Hall.....	..	..	Worcester Academy.....	..	..
			St. Francis College.....	..	1			

THE QUARTERLY CALENDAR.

STATES AND COUNTRIES

FROM WHICH THE STUDENTS HAVE COME.

States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
Alabama	1	..	..	2	..	3
Arkansas	1	..	..	..	1	2
California	1	..	..	1	2	4
Colorado	1	..	1	3	..	5
Connecticut	1	..	..	..	..	1
Florida	1	..	..	..	..	1
Georgia	1	..	..	1	..	2
Illinois	60	22	60	61	14	217
Indiana	9	..	4	10	3	26
Iowa	15	1	1	18	3	38
Kansas	8	1	2	6	3	20
Kentucky	3	1	..	4	..	8
Louisiana	2	..	..	..	..	2
Maine	2	..	..	1	..	3
Maryland	1	..	..	..	..	1
Massachusetts	3	1	..	..	2	6
Michigan	8	..	..	11	2	21
Minnesota	8	1	..	4	1	14
Mississippi	4	..	..	..	..	4
Missouri	5	2	1	4	5	17
Montana .....	..	..	1	..	..	1
Nebraska	5	1	..	4	..	10
New Hampshire	1	..	..	..	1	2
New Jersey	4	..	..	..	..	4
New Mexico .....	..	..	..	..	..	..
New York	13	2	3	3	..	21
North Carolina	4	..	..	..	1	5
North Dakota	1	..	..	1	..	2
Ohio	23	1	1	12	3	40
Oregon	2	1	..	..	..	3
Pennsylvania	12	1	3	4	3	23
Rhode Island	1	..	..	..	..	1

States.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
South Carolina	2	..	1	..	..	3
South Dakota	2	..	..	2	1	5
Tennessee	5	..	..	1	4	10
Texas	7	1	..	3	..	11
Utah	2	..	1	..	..	3
Vermont .....	..	..	..	1	..	1
Virginia .....	..	..	..	..	3	3
Washington	1	..	..	1	..	2
West Virginia .....	..	..	..	..	3	3
Wisconsin	9	..	3	11	..	23
Wyoming	1	..	..	..	..	1
District of Columbia..	1	..	..	..	..	1

Countries.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total.
Canada	12	..	..	..	1	13
Germany	1	1	..	..	..	2
Japan .....	..	1	..	..	..	1
Mexico .....	..	..	..	..	1	1
Persia .....	..	..	..	..	1	1
Russia .....	..	..	1	..	..	1
Scotland .....	..	..	..	..	2	2
Total	244	38	83	169	60	594

ADDITIONAL REMARKS.

THE GRADUATE SCHOOL.

Persons holding Fellowships—Summer Quarter, 1894.....	25
Residents of Southern States.....	3
Residents of Eastern and Middle States.....	8
Residents of Western States.....	14

THE COLLEGES.

Of the 83 students in the Academic Colleges, 42 were in the College of Arts, 25 in the College of Literature, and 16 in the College of Science.

Of the 38 students in the University Colleges, 19 were in the College of Arts, 13 in the College of Literature, and 6 in the College of Science.

Of the 83 students in the Academic Colleges, 16 were residing in the University Houses.

Of the 38 students in the University Colleges, 8 were residents of the University Houses.

198 students presented themselves for the examination for admission held in September. Of these, 110

presented themselves at the University, 48 at the Morgan Park Academy, 25 at the Chicago Academy, 4 at La Grange, Ill., 10 at Aurora, Ill. Of these, 43 were admitted to the Academic Colleges.

It is to be observed, however, that only a minority of

those examined in any given quarter are taking final examinations. Applicants generally take their examinations at two or more dates. This will explain the apparent disproportion between the number examined and the number admitted.

THE UNCLASSIFIED STUDENTS.

Number of Academic College courses taken by Unclassified Students, 32; number of University College and Graduate courses, 66.

Course registrations of Unclassified Students in the Academic Colleges, 207; in the University Colleges, and the Graduate School, 237.

Of the 171 Unclassified Students, 40 were residents of the University Houses.

Of the 171 Unclassified Students, more than 100 were teachers who had taught more than one year in colleges, schools, or academies. They were studying for advancement in their profession. Of the remainder, about 20 are working into regular standing in the University. The rest were studying for general education.

Physical Culture and Athletics.

THE GYMNASIUM.

MEN'S DEPARTMENT.

The work in physical culture was carried on wholly in the open air, and was entirely recreative in kind. Work in baseball, tennis, track athletics, and football furnished exercise for the seventy-two students required to take it.

WOMEN'S DEPARTMENT.

The women's work was conducted in the Woman's Gymnasium, under the direction of Miss Anna F. Davies. Two classes were formed, with a total attendance of thirty-six.

ATHLETICS.

BASEBALL.

The University Baseball nine for the Summer Quarter was composed of the following players:

Pike and Nichols, c.
Stagg and Nichols, p. (Captain).
Winston, 1b.
Adkinson, 2b.
Rothschild, 3b.
Speer and Brown, ss.
Roby, lf.
Bowers and Sembower, cf.
Thatcher, Speer, Zeublin, rf.

The scores of the games are as follows:

July 5.	University vs. All University.....	14—1
July 12.	" " " ".....	12—1
July 13.	" " South Side.....	23—0
July 20.	" " Englewood.....	9—10
July 24.	" " " ".....	6—5 (10 innings)
July 25.	" " South Park.....	13—1

July 23.	University vs. Chicago Athl. Club..	16—9
Aug. 10.	" " St. Thomas.....	8—1
Aug. 15.	" " Auburn Park.....	11—3
Aug. 18.	" " Evanston Boat Club.....	11—7
Aug. 24.	" " Jackson Park.....	8—7
Aug. 25.	" " Western Electrics.....	13—15
Sept. 2.	" " Farwells.....	3—6

TENNIS.

The University Tennis Club entered C. Torrey, V. R. Lansingh, and C. B. Neel in the Western Championship Tournament of the U. S. N. L. T. A. C. B. Neel won the All-Comers, but was defeated in the Championship round by Sam. Chase. Scores: 6-4; 8-6; 1-6; 0-6; 7-5. He won the Northwestern tournament over Chase two weeks later. In the National Tournament at Newport he played in the semi-finals, losing to Larned 6-3; 2-6; 6-3; 3-6; 6-4.

The Official and Semi-Official Organizations.

THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

SUMMER MEETING, AUGUST 10, 1894.

Theatre, Kent Chemical Laboratory.

PAPERS:

The Evolution of the Faust Legend.

(Germanic Club). GEORGE A. MULFINGER.

The Use of Color in the Poetry of Keats.

(English Club). ALICE EDWARDS PRATT.

ADDRESS:

PRESIDENT WILLIAM RAINEY HARPER.

THE PHILOLOGICAL SOCIETY.

SUMMER MEETING, JULY 20, 1894.

Room B 8, Cobb Lecture Hall.

PAPERS:

The Formation of the "Tens" in the Teutonic Group.

ASSISTANT PROFESSOR F. A. BLACKBURN.

Brugmann's Theory of the Origin of the Optative Construction in the Indirect Discourse.

HEAD PROFESSOR WILLIAM GARDNER HALE.

THE DEPARTMENTAL CLUBS.

JULY-SEPTEMBER.

Papers presented before

THE ENGLISH CLUB.

Two Defects in English Teaching, with some Means of Remedy.

PROFESSOR L. A. SHERMAN,
of the University of Nebraska. July 24.

Poetry and Poetic Appreciation.

PROFESSOR CHARLES MILLS GAYLEY,
of the University of California. Aug. 20.

THE MATHEMATICAL CLUB.

Concerning Groups occurring in Geometry.

PROFESSOR E. H. MOORE. July 21.

Discussions on Teaching Mathematics:

I. *The Purpose and Value of Mathematical Training in a General Education.* DR. YOUNG. Aug. 4.

II. *The Preliminaries of a Course.*
Opened by ERNEST B. SKINNER,
of the University of Wisconsin. Aug. 9.

III. *Methods of Oral Instruction and Recitation.* Opened by
HENRY BENNER,
of the Chicago Manual Training School. Aug. 20.

IV. *Methods of Written Instruction and Recitation.* Opened by
PROFESSOR T. M. BLAKSLEE,
of Des Moines College. Aug. 25.

V. *The Conclusion of a Course.* Opened
by HERBERT E. SLAUGHT. Aug. 28.

THE SEMITIC CLUB.

The Zinjirli Discoveries.

ASSOCIATE PROFESSOR ROBERT F. HARPER. July 19.

THE SOCIOLOGY CLUB.

Instruction in Sociology in American Colleges and Universities.

DANIEL FULCOMER. July 10.

Journal Meeting. Review of Articles. July 24.

Are the Italians a Dangerous Class?
I. W. HOWERTH. Aug. 7.

Journal Meeting. Reviews. Aug. 21.

The Social and Ethical Teaching of Mohammed.
FREDERIC W. SANDERS. Sept. 4.

THE COMPARATIVE RELIGION CLUB.

Echoes of the Parliament of Religions.

PROFESSORIAL LECTURER J. H. BARROWS. July 23.

Exhibition and Discussions of Buddhist Materials in the Buckley Collection.

EDMUND BUCKLEY. Aug. 28.

ABSTRACT OF PAPERS

Read before the University Union, the Philological Society, and the Departmental Clubs.

THE EVOLUTION OF THE FAUST LEGEND.

GEORGE A. MULFINGER.

The Faust legend is an epitome of the mighty struggle between the powers of light and darkness in the evolution of Germany's intellectual life—the struggle of that period when the German nation was emerging out of its brute state and, in its new-born might, was reaching out to grasp the mysteries of heaven and earth. The germ of the legend was planted in darkness and nurtured by its forces; but it was a new epoch in which Faust was born—the epoch of inventions and discoveries and maritime expeditions, when the human intellect reached forth with irresistible force. The achievements of the intellect were gigantic. They were so great that they amazed the vast mass of uninitiated mankind and made them easily susceptible to hoax and deception. Learning was mixed with magic. Kepler set the horoscope for Rudolph II. Hugo Delff, the reformer of medicine, who was at the same time scholar and braggadocio, humanist and exorcist, philanthropist and drunkard, reflects the spirit of the age.

The legend has undoubtedly a basis in fact. Records of a personal acquaintance with a charlatan, swindler, boaster, and fool named "Faustus Junior," "Astrologer," and "Second Magnus" have been left by two distinguished contemporaries of Faust, Johann the Abbot of Sponheim and Conrad Mund, a friend of Reuchlin. The most important post-Reformation testimony is that of Johann Mennel, who gives to Melanchthon the credit of quite a detailed account of the character and magical powers of a certain Johann Faust. From these records it would seem that Faust flourished as early as 1506 and lived in Wittenberg till after 1527. His contemporaries picture him as a wild, dissolute rake, with traits good enough, however, to attract the attention of Melanchthon.

But, though the historic Faust was not an extraordinary character, yet he has become the nucleus of the legend because he claimed to be the successor of Simon Magnus (Acts 8:9-23), who, according to Justin Martyr and Irenæus, had a boon companion named Faustus. The writings of the early Fathers circulated in Germany during the Middle Ages, and in Bavaria the Simon legend was developed in Jesuit plays. The historical Faust called himself "Demigod from Heidelberg," which suggests the "Supreme God" and the "Old Faustus" of the Magnus legend. The credulity of the Middle Ages in this particular case is not to be wondered at, because the thirst for magic was fed by numerous bands of students wandering all over Germany and doing all sorts of marvelous magic. Faust, in fine, was the archetype of mediæval necromancers, and combines in himself all their characteristics.

As to the growth of the legend, the account of a contemporary clergyman, Johann Gast, illustrates how it grew in Faust's own generation. He declares Faust's dog and horse to be devils and able to do everything. He says Faust was finally strangled by a devil. Variations of the legend are found along the upper Rhine, in Wittenberg, Erfurt, Würzburg, and later in Leipzig. An anonymous person in Speier compiled the Wittenberg variation, and sent it to John Spies in Frankfurt-on-the-Main. It appeared in 1587 under the title "*Historia von Dr. Johann Fausten, dem weitbeschreyten Zauberer und Schwartzkünstler.*" This version tells of Faust as taking a Doctor's degree in the-

ology, but soon devoting himself to magic; he conjures the devil and sells his soul to him. From the theological cast of this version, it is evident that the author was a Protestant clergyman. Faust is made to repent at last, but he believes that his sins are beyond forgiveness. This version "is an attempt of Protestant theology of the Reformation to express itself upon the great intellectual movement of the Renaissance." It was Humanism, however, that first completed the development of the "Titanic traits" of Faust. Its spirit is recognized in the six so-called Leipzig-Erfurter chapters which were added to the book in 1590. Faust, while reading Homer, calls up the shades of the Homeric heroes. The Faust of the Humanists feels the need of woman's love, and this forms the germ of Goethe's Gretchen, whose prototype in the legend is a beautiful country maid or a beautiful servant girl. Under Marlowe and the English writers, the legend took a great stride forward. Faust now takes wings to himself and resolves to search into all things in heaven and earth. Marlowe's drama was performed in Germany by English comedians as early as 1626. Poets improvised new scenes and altered old ones, usually, however, following Marlowe's plot. Through the influence of the Italian stage, the clown or Harlequin was introduced into Germany under the various names of "Pickelhaering," "Hanswurst," etc. During the eighteenth century the popular Faust plays fell more and more into disrepute. Lessing was the first to revive the study of Faust by insisting on its eminent dramatic interest. He was the first, also, to see that the "salvation of Faust" should be made the solution of the problem of the legend. But it remained for Goethe to pluck the fruit which had been ripening for years.

THE USE OF COLOR IN THE POETRY OF KEATS.

ALICE EDWARDS PRATT.

There is a prevailing impression that the poems of Keats are rich in color. It is the purpose of this study to consider this aspect of Keats' poetry, and to determine, not the tone-color of his words and phrases, but the actual color-range of his vocabulary.

Studies of color in the ancient writings of India, Greece, and Rome have been made in the interests of philologist, anthropologist, and physiologist; but this study of color in the poetry of England is made rather in the interests of æsthetics and of appreciative interpretation of individual authors.

For the better understanding of Keats, the investigations have been carried into the works of Shakespeare, Milton, Pope, Gray, Wordsworth, Shelley, and Tennyson. Card catalogues of all color terms used by each poet, and comparative tables constructed from these catalogues, show that all the poets named incline to the use of the more luminous colors, and, with the one exception of Wordsworth, all prefer the warm hues to the cold. Violet is entirely neglected by Shakespeare and Milton, and reaches but one per cent. of all color-effects in Wordsworth, Shelley, Keats, and Tennyson. Shakespeare and Tennyson have a pronounced excess of reds; Wordsworth and Milton are strongly inclined to greens; Shelley and Keats have a color distribution strikingly uniform, showing a well-rounded color-sense.

Keats' color-range is in significant accord with the fullness of his sensuous endowment. He found keen pleasure in the

whole beam of white light, as is shown by his use of terms for brightness, lustre, sheen, and whiteness. Of the spectral colors, the gold and red predominate in his earlier poems, when his "passion-struck" nature was going through the period of "yeasting youth"; but in his last years he found his highest enjoyment in the more calm and restful greens and blues.

He believed that the imagination is creative of essential beauty. The colors found in his poetry are not so truly those of the England in which he wrote as of that ideal world which his creative mind constructed.

THE FORMATION OF THE "TENS" IN THE TEUTONIC LANGUAGES.

ASSISTANT PROFESSOR F. A. BLACKBURN.

The paper discussed the formation of the Teutonic words for *ten*, *twenty*, *thirty*, etc. The various theories of Brugmann, Braune, Kluge, and others were considered. In addition, the following theses were put forth and supported by arguments from usage and from phonological laws:

1. That the Teutonic noun which appears in Gothic as *tigus*, and in Old English in composition as *-tig*, is best explained, not as a derivative of Teutonic *tehun* (IE. *dék-m*), but a parallel formation from the same root (IE. *dek-*). We may therefore postulate two IE. words, *dék-m* and *dek-u*, the former of which gives Teutonic *tehun*, Engl. *ten*; the latter, Teutonic *tegá*, Engl. *-ty*.

2. It is equally easy to explain Teutonic *tegá* as a derivative of a root *degh₂*. This root exists in Sanskrit as *dagh*, with the meaning *reach*, *attain*, etc. Apparently the same root is found also in Grk. *δέχομαι*, *δακ-νυλος*, and Lat. *dig-itus*. A derivative from this root by means of a suffix *-u*, would give IE. *degh₂u* to which the Gothic *tigu*, Engl. *-tig* corresponds, or IE. *degh₂u* from which comes the other form, found in OHG. *-rug*, Norse *tug-r*. The development of meaning would be "the grasper," "the hands," "the ten fingers," the number "ten."

3. The theory usually accepted that *hundert* in Teutonic, which strictly means "a ten," has come to mean "a hundred" through its use as the shortened form of a phrase, "a ten of tens," and that this phrase has survived in the Gothic *taihuntehund*, is open to objection. It is easier to assume that the original phrase was "ten pairs of hands," or something similar, and that a word like Goth. *tigus* has been lost.

DISCUSSIONS ON TEACHING MATHEMATICS.

I. On the Purpose and Value of Mathematical Training in a General Education.

J. W. A. YOUNG.

Especial emphasis was laid on the view that as the activities of the mind and soul are the highest, their cultivation needs no ulterior justification, and really can have none. The growing utilitarian spirit of the times, which appraises everything, even education, solely or chiefly according to the tangible results produced, was strongly deprecated. It was held that the teaching of mathematics offers peculiarly good opportunities to counteract this spirit and to show that intellectual activity carries in itself both its own sufficient incentive and reward. Several questions arising out of these considerations were proposed for discussion, the most important being: "How do we, and how can we present mathematics so as to cause our pupils to appreciate its beauties and to feel an interest in it for its own sake?" The disciplinary value of mathematics, its value as the subject which allows the earliest systematic and finished presentation of a field of thought, and its value as the subject which earliest gives the pupil the opportunity to originate, were briefly considered.

II. The Preliminaries to a Course of Instruction.

ERNEST B. SKINNER.

The following points came under consideration:

1. The Teacher's Preparation: (a) mathematical training, (b) general education, (c) pedagogical training.
2. The Student's Preparation.
3. Preparation for actual Class-room work: (a) selection of text-book, (b) planning the course of study, (c) number of weekly recitations, (d) organization of classes, (e) review of previous work.

III. The Methods of Oral Instruction and Recitation.

HENRY BENNER.

1. Assignment of the Lesson: (a) prominent points, (b) unusual difficulties, (c) when to assign the lesson.
2. Assignment of Special Work.
3. Teacher's Preparation.
4. Student's Preparation: (a) time and method, (b) keys and annotated editions, (c) matter and expression.
5. Objects of the Recitation: (a) to estimate the daily progress of the student, (b) to fix the subject in the mind, (c) to cultivate the power of expression, (d) to impart instruction, (e) to arouse enthusiasm, (f) to train to study.
6. Explanations: (a) by the student, (b) by the teacher.
7. Methods of conducting a Recitation: (a) at the blackboard, (b) at the seat.

IV. The Methods of Written Instruction and Recitation.

T. M. BLAKSLER.

1. The proper use of the blackboard.
2. The necessity of written papers.
3. The length and frequency of written papers.
4. Papers written in class.
5. Papers written out of class.
6. The correction of papers.

V. The Conclusion of a Course.

H. E. SLAUGHT.

The paper treats:

1. Conclusion of any subject in particular.
2. Conclusion of a preparatory course in general.
3. Conclusion of Required Mathematics in College.
4. Conclusion of this series of papers.

These points are considered in appropriate places under:

A. Reviews.

1. Importance, especially in preparatory work, to form the habit.

2. Manner of conducting, (a) in different subjects, (b) at end of preparatory course, (c) in College courses.

B. Examinations.

- 1) Importance; oral, written; 2) frequency; 3) time allotted; 4) high-grade exemption; 5) final preparatory examinations; 6) College entrance examinations; 7) examinations in College; 8) superintendence of examinations; 9) return of papers.

C. Credits.

- 1) *Pro* and *con* for the marking system; 2) methods of grading; 3) high and low grading; 4) honor work.

INSTRUCTION IN SOCIOLOGY IN INSTITUTIONS OF LEARNING.

DANIEL FULCOMER.

This paper included the following topics: (1) statistics of this year's courses in sociology and philanthropy; (2) the growth of these studies during the last ten years; (3) a description of the best courses; (4) a consensus of opinion as to defini-

tion, methods, etc.; (5) the demand among students for sociology.

All American colleges were written to. Of the one hundred and forty-six replying, twenty-four have courses in sociology proper; twenty-nine, sociology, including in this term courses in charities and correction; and seventeen of the latter, courses in charities and correction. More than twenty others report incidental instruction in these subjects. Of eight leading women's colleges reporting, five teach sociology and four charities and correction. The number of students reported in sociology averages fifty in each course; in charities and correction, forty-three.

Ten years ago there was no course in sociology entitled to the name. In 1889 there were only six reported to the United States Bureau of Education. The number of institutions giving it has quadrupled in five years, has perhaps doubled in the past year, and at least seven institutions intend to introduce the study soon. Courses were given abroad last year at Brussels, Paris, Berlin, Munich, Freiburg, Heidelberg, and elsewhere.

The courses at the University of Chicago were described at length, there being several times as many given here as at any other university in the world. Students have been visitors in charity work, have taken censuses of the unemployed and of "Randall's army," etc.

Most agree in calling sociology "a comprehensive science, including politics, economics, etc." "Sociology is the philosophy of human welfare. As such, it must be the synthesis of all the particular social sciences." The chief opponent to this view is Giddings, who calls it "the fundamental social science." All the replies distinguish between "charities and correction" and sociology.

The twenty-four answers regarding the importance of sociology were all in its favor. Three would require it in common schools. Nine were from professors of economics, one of whom would delay it until competent instructors are prepared. It is advocated for its "practical importance," to "meet anarchism, communism, and a score of wild theories," as "a help to economics and ethics," for its "culture possibilities," etc. The time actually given to it in the institutions reporting averages: sociology, five months; charities and correction, the same. Most put it in the senior year. Some leading sociologists would put philosophical sociology in this year, and descriptive sociology in the sophomore year.

"What other studies could best be cut down to make room for it?" The most general answer is: "The ancient languages."

The demand for sociology among students can be best shown in the Graduate School of the University of Chicago, where it is put on an equality with other studies. More have chosen it [Autumn Quarter] for their major work than any other subject with the exception of English and history, each of these exceeding it by one student. Compared with other departments, it has much above the average number of students, instructors, and courses. Twenty-two divinity students are in it, but only four in all other courses not professional.

[This paper, with tables in full, is published in the "*Proceedings of the National Conference of Charities and Correction*" for 1894.]

ARE THE ITALIANS A DANGEROUS CLASS?

I. W. HOWERTH.

A dangerous class is one which is hostile to our institutions or to the best interests of our civilization, and which is, or is sure to become, a disturbing element.

So much has been said about this country being the dumping ground for the refuse of Europe, and about the pauperism and criminality of our foreign element, that by many, immigration is

invariably associated with disturbing elements, social or political. The current and the character of immigration, we are told, have changed. Instead of the Teuton we get the Slav. Hordes of Hungarians, Bohemians, Italians, and Russians are pouring into this country and are likely at any moment to produce a violent explosion.

Of all these classes the most refractory are undoubtedly the Italians. They cluster together in cities and are, perhaps, the least understood of all our immigrants. Popular prejudice is against them. By many they are regarded as lazy, filthy, cruel, and bloodthirsty. No epithet is too insulting to apply to the "Dago."

The purpose of this paper was not to prove Italian immigration desirable, but to present our Italian population just as it is and leave the conclusions to be drawn by others. Tables were exhibited to show (1) the increase in Italian immigration during the last decade; (2) their number and distribution in the United States; (3) the relative emigration from the various provinces of Italy; (4) the standard of living in Italy; (5) the budget of an Italian family in Chicago; (6) the relative burden of the Italian population of Chicago upon the charitable and penal institutions of the city, etc.

From these tables it appeared that, in 1890, there were in the United States 182,500 Italians, distributed throughout every state in the Union; that contrary to public opinion the central and northern parts of Italy furnish more immigrants than southern and insular Italy, and that as a class the Italians of Chicago impose a lighter burden upon the city than some of the other nationalities.

A large part of the paper was devoted to a description of the condition of the Italians of Chicago, their home life, their social, economic, and political ideas, what they are doing for themselves, and what should be done for them. It was shown that almost nothing is done to ameliorate their condition, and that they are doing little for themselves. Colonization was recommended as the remedy for the concentration of Italians in the cities.

On the whole the paper tended to leave the impression that the Italians are grossly misunderstood and misrepresented, and that they are not so much a dangerous class as they are likely to become so through further neglect. "Let us once do our duty toward the Italians," was the conclusion, "and we shall hear less about them as a dangerous class."

[This paper will appear in full in the November number of the *Charities Review*.]

THE SOCIAL AND ETHICAL TEACHING OF MOHAMMED.

FREDERIC W. SANDERS.

These teachings found in the Koran, which is not, however, a systematic code. [Plan of the analysis of the Koran made for the purposes of this address described.] Prevalent prejudices against the Koran because of its supposed (1) sensuality; (2) teaching of the propagation of religion by force; (3) degrading effect upon women, whom it does not regard as worthy of paradise; (4) hostility to secular learning. These charges are based upon misconceptions, so far as they have any basis.

1. Sensuality is a relative term. If mention of sensuous enjoyments in connection with the future state condemns it as a sensual paradise, then Jewish and Christian religions have such. Cf. Mark xv., 25. True, the Koran mentions beautiful gardens, lovely hours, etc., in this connection, but it says: "Grace from thy Lord, that is the grand bliss!" It is essential that we distinguish between the *ideal of conduct* held before men and the *reward* promised therefor. In Moslem and Jewish scriptures

the future state is rather the *means* of exciting men to high endeavor than the *end* to be attained, which was upright living. With us virtue is its own reward; not so with them. But the Koran teaches temperance, chastity, justice, and mercy. Its emphasis is upon right living; it is full of precepts of humanity, commanding kindness to strangers, slaves, women and children (particularly widows and orphans), and the poor.

2. The practice of a people is to be distinguished from the teaching of its religious authority. Just as the forcible conversion of pagans in northern Europe, the inquisition, and the slave trade do not prove that Jesus taught these things, so the spread of Islam by means of the sword does not prove that the Koran taught this. On the contrary, it is expressly stated in the Koran that there shall be no compulsion in religion; that moral suasion alone is to be used with the infidel. In cases where the *infidels* are the *aggressors*, however, greater severity may be visited upon them because of their infidelity. Further, *apostasy* is punishable with death. Passages seeming to mean more than this have that appearance because taken out of their connection and misinterpreted. Some "revelations" have exclusive reference to particular contemporaneous happenings. While the whole Koran is held to be inspired, not all is of like *permanent* value.

3. Mohammed found unlimited polygamy, arbitrary divorce at will of the husband, and women hardened and degraded by the custom of infanticide. This last he absolutely prohibited, and he greatly improved woman's condition by restricting polygamy and regulating divorce, providing for the support of divorcees by her husband even when she had committed grave offense. He ordained that an unproved charge against a woman's chastity should subject the accuser to severe penalty, and that four witnesses should be necessary to establish her guilt if she denied it on oath. Paradise was to be for all the faithful, regardless of sex, women being expressly included. Relative condition of women in the East and in the West is rather the result of ethnic and climatic than of religious influences. The state of pagan Roman and Teutonic women compares favorably with that of Christian women of the Orient.

4. Nothing in the Koran justifies the fourth charge. Learning flourished under the Bagdad and Spanish caliphates. When Moslems oppose learning they do so without authority from the Koran.

There is no political teaching found in the Koran; perhaps only a theocratic implication. The prophet is merely to announce his message, not to hold himself responsible for the reception

accorded it. Mohammed's simple gospel, based upon the *unity* of God and the *universality* of his sway, involved the brotherhood of all mankind, and while permitting slavery and polygamy, it discouraged both, just as, while recognizing the *lex talionis*, it recommended that mercy be preferred to justice. The Koran's social and ethical teaching is superior to that of the Pentateuch, and, save in the particulars already referred to, its general precepts are in accord with Christian thought. Its first success is due not to force, but to its merits. Greatly superior not only to Arabian paganism, but also to the Jewish particularism and to the corrupt Mariolatrous Christianity of the populace with whom the Arabs came in contact. Its great defect was its form as a *final* revelation, giving *permanent* and *definite* and *specific* rules of conduct, thus establishing the letter instead of leaving room for the free growth of the spirit. But even this criticism must be made with caution, not too absolutely; for loyal Moslem scholars like Mr. Justice Seyd Ameer Ali, of India, teach monogamy, for example, as a legitimate implication of the prophet's message.

THE LOCATION OF THE GALATIAN CHURCHES.

C. W. VOTAW.

The current view, called the North-Galatian theory, is that the churches to which Paul addressed his Galatian Epistle were in a district to the north of that which was the scene of his activities on his first evangelising tour, in Galatia popularly so-called, rather than in the Roman province of Galatia, which included both districts. The theory is now aggressively urged that, instead of this view, the Galatian Epistle of Paul was addressed to the very churches which Paul established on his first tour. This is called the South-Galatian theory. But this cannot be made to harmonize with Acts 16:1-8, the only passage which records Paul's movements in these districts. The successive stages of the journey as narrated here do not accord with this theory, and can only be made to do so by a gratuitous assumption of jumbled accounts at this point. Further, the grammatical structure of verse 6 forbids the interpretation necessarily given it by the advocates of the South-Galatian theory. Therefore if this theory cannot be shown to be substantiated by evidence outside of Acts 16:1-8, and evidence of such a strength as to set aside the testimony of this passage, it cannot supersede the current view of the location of the Galatian churches.

(The paper is printed in full in the *Biblical World*, Vol. iv, pp. 456-62).

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

Four standing committees of the Christian Union attend to the various branches of its work: The Committee on Biblical Study, the Committee on Social Life, the Committee on Philanthropic Work, and the Committee on Public Worship.

THE COMMITTEE ON PUBLIC WORSHIP.

The following addresses have been delivered before the Christian Union on Sunday evenings, from July to September, 1894:

REV. W. M. LAWRENCE, D.D., Chicago.

The Divine Law of Progressive Revelation.
John 16: 12. Convocation Sermon. *Theatre,*
Kent Chemical Laboratory. July 1.

PROFESSOR SYLVESTER BURNHAM, Colgate University.

The Culture of Religion and the Religion of Culture. July 15.

REV. O. W. VAN OSDEL, Galesburg, Ill.

The True Measure of Greatness. *Eph. 4: 1.*
July 22.

HEAD PROFESSOR ALBION W. SMALL, The University.

The Weakness and Strength of Religion.
July 29.

REV. DR. N. I. RUBINKAM, Chicago.

The Bible in Literature, as illustrated by Brown-
ing's Saul. August 5.

PROFESSOR L. A. SHERMAN, The University of Nebraska.

The Spiritual Law in the Natural World.
August 12.

PROFESSOR CHARLES MILLS GAYLEY, The University of California.

The Reasonableness of Christianity.
August 19.

HEAD PROFESSOR JOHN DEWEY, The University.

Psychology and Religion. August 26.

ASSOCIATE PROFESSOR SHAILER MATHEWS, The University.

The Permanent Element in Christianity.
September 2.

ASSISTANT PROFESSOR JOHN W. MONCRIEF, The University.

Some Lessons from the Philosophy of History.
September 9.

ASSOCIATE PROFESSOR CHARLES R. HENDERSON.

Individuality in Discipleship.
September 16.

PRESIDENT W. R. HARPER, The University.

Address to the graduating students. *Theatre,*
Kent Chemical Laboratory.

July 1, 3:30 P.M.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

Increased interest was shown by the members of the association in the work during the Summer Quarter. A closer union between the Y. W. C. A. and Y. M. C. A. was effected. A mission was established in a building, corner of Fisk Street and Eighteenth Place, in the centre of what is known as the Bohemian district. Sufficient funds were pledged by members of the two associations to support this for six months. The officers and committees of the association are as follows:

President, A. T. Watson; Vice President, H. D. Abells; Treasurer, F. D. Nichols; Recording Secretary, J. F. Hosic; Corresponding Secretary, D. A. Walker.

Committees were appointed as follows:

Devotional Committee:

W. E. Wilkins, G. A. Bale, E. V. Pierce, E. E. Hartley, S. C. Mosser.

Membership Committee:

T. L. Neff, B. R. Patrick, W. P. Behan, A. M. Wyant, O. E. Wieland.

Finance Committee:

E. J. Goodspeed, S. S. Hageman, W. Breeden, J. Lamay.

Reception Committee:

A. A. Stagg, M. L. Miller, W. E. Chalmers, W. P. Behan, F. W. Woods.

Missionary Committee:

F. G. Cresscy, J. F. Hunter, J. Hulshart, H. H. Hewitt.

Bible Study Committee:

W. B. Owen, T. A. Gill, J. F. Hosic, F. R. Barnes, H. F. Atwood.

Intercollegiate Work Committee:

C. F. Kent, A. A. Stagg, C. K. Chase, J. E. Raycroft.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The work of the association was continued as usual during the Summer Quarter, although the regular membership was greatly diminished in number. The prayer-meetings in Cobb Lecture Hall, Thursdays, at 1:30 P.M., and the Sunday evening meetings with the Young Men's Christian Association were supported by the members in the University and by the students who were connected with the association for the Summer Quarter only. The Fisk Street Sunday School, near

West Eighteenth street, conducted by the two Christian associations was successful during the summer. The room was filled every week at both the Sunday School and Gospel services. Several clubs were organized for the children and young people, and general interest in the work seems to have been awakened in the vicinity of the school. Plans were made for a larger and more helpful work during the winter.

The following are the committees, as far as they have been arranged, for the Autumn Quarter:

Executive Committee:

President, Aletheia Hamilton; Vice President, Louise C. Scovel; Recording Secretary, Jennie K. Boomer; Corresponding Secretary, Harriet C. Agerter; Treasurer, Marion Morgan.

Reception Committee:

Mary D. Maynard, Jeannette Kennedy, Myra H. Strawn, Glenrose M. Bell.

Membership Committee:

Louise Scovel, Jennie K. Boomer, May J. Rogers, Mabel Kells, Mabel Dougherty, Edith Neal, Mary Love.

Prayer Meeting Committee:

Florence L. Mitchell, Lila C. Hurlbut, Carrie S. Moore, Berdina M. Hale, Martha Klock.

Bible Study Committee:

Mrs. Zella A. Dixon, Jennie K. Boomer, Lea Scott, Martha L. Root, A. E. Pratt.

Missionary Committee:

Cora Jackson, Harriet Agerter, Ella Keith, Thora M. Thompson, Ella M. Osgood.

Inter-Collegiate Committee:

Harriet C. Agerter, Grace E. Manning, N. M. Taylor, Emma Walls, Charlotte F. Coe.

Finance Committee:

Marion Morgan, Mrs. Stella R. Stagg, Lillian Dicks, Emma L. Gilbert, Elizabeth Roggy, Charlotte Teller, Marion Cosgrove, Julia F. Dumke.

Fisk Street Committee:

Laura Willard, Mary D. Maynard, Florence L. Mitchell, Mabel Kells.

Sub-committees:

Sunday Evening—Marion Morgan.

Advertising—Mamie Furness, Florence Evans, Mrs. Charlotte Gray, Emma Guthrie.

EXERCISES IN THE UNIVERSITY CHAPEL.

CHAPLAINS DURING THE SUMMER QUARTER.

ASSOCIATE PROFESSOR IRA M. PRICE.	July 2-7.	PROFESSOR BENJAMIN S. TERRY.	August 13-18.
ASSOCIATE PROFESSOR S. W. CUTTING.	July 9-14.	ASSOCIATE PROFESSOR SHAILER MATHEWS.	August 20-25.
PROFESSOR E. HASTINGS MOORE.	July 16-21.	ASSOCIATE PROFESSOR WILLIAM D. MCCLINTOCK.	August 27-September 1.
PROFESSOR BENJAMIN S. TERRY.	July 23-28.	PROFESSOR CHARLES CHANDLER.	September 3-8.
HEAD PROFESSOR ALBION W. SMALL.	July 30-August 4.	DR. W. MUSS-ARNOLT.	September 10-15.
ASSOCIATE PROFESSOR JAMES H. TUFTS.	August 6-11	MR. GEORGE C. HOWLAND.	September 17-22.

MUSIC.

WARDNER WILLIAMS, *Assistant in Music.*

University students are cordially invited to identify themselves with some one of the following musical organizations:

The University Choir.
The Elementary Chorus.
The University Chorus.
The University Glee Club.
The University Orchestra.
The Mandolin Clubs.

The FOLLOWING MUSICIANS have appeared at the University Chapel Exercise and on other occasions:

Mr. William P. Lovett, *Bass*.
Miss Arrietta Morrill, *Soprano*.
Mr. Charles J. Wyckoff, *Tenor*.

UNIVERSITY VESPERS.

Vespers were held, in connection with the University Quarterly Convocation, September 30, 1894.

The Choir of the Immanuel Baptist Church assisting:

Mrs. Louis Hasbrouck, *Soprano*.
Mrs. Marian Van Duyn, *Contralto*.
Mr. James Swift, *Tenor*.
Mr. John R. Tyley, *Bass*.

UNIVERSITY CONCERTS.

The University concerts will occur on the next to the last Thursday evening of each Quarter at eight o'clock.

UNIVERSITY LECTURES.

ASSISTANT PROFESSOR BERGERON, The University.

Four public lectures in French on successive Wednesday days at 4 P.M., in *Lecture Room, Cobb Lecture Hall.*
Une définition du Romantisme, July 25.

Victor Hugo et le Cénacle, August 1.
En quoi diffère le Réalisme du Naturalisme. August 8.
Le génie de Balzac, August 15.

THE UNIVERSITY HOUSES.

GRADUATE HALL.

Organization.—Head, WILLIAM HILL; Counselor, Head Professor A. W. Small; House Committee, (the above *ex-officio*), Associate Professor O. J. Thatcher, W. C. Wilcox.

Members.—Chamberlain, J. C., Conger, C. J., Hatfield, H. R., Hill, W., Hubbard, H. D., McKinley, A. E., Sanders, F. W., Tunell, G., Wilcox, W. C.

Guests.—Blakslee, F. M., Holmes, E. D., Hooper, W. D., Hull D., Hussey, G. B., McGatch, T., Post, E., Price, A. B., Studley, D., Wilcox, W. C.

SNELL HOUSE.

Organization.—Snell House was organized at a meeting held in the University Chapel October 4, 1893. The officers are: Head of House, A. A. STAGG; Counselor, Professor H. P. Judson; House Committee, J. Sperans, J. E. Raycroft, J. Lamay, W. Rullkoetter, and P. F. Carpenter; Treasurer, P. F. Carpenter. Mr. Carpenter was elected to fill the vacancy caused by the resignation of William Rullkoetter.

Members.—The following old members were in residence: Crouse, D. H.; Dickerson, S. C.; Jone, H.; Lamay, J.; Linn, J. W.; Miller, R. N.; Nichols, F. D.; Raycroft, J. E.; Rullkoetter, W.; Schnelle, F. O.; Sperans, J.; Tanaka, K.; Wieland, O. E.; Williams, J. W.; Wilson, W. O.; Wyant, A. M.

Guests.—Arnold, C. L.; Davenport, H. J.; Frank, H. L.; Hall, E. L.; Lord, R. H.; McCracken, W.; McMahon, M.; Pierce, E. C.; Pierson, A. C.; Robertson, J. R.; Robinson, H. D.

BEECHER, KELLY, AND FOSTER HOUSES.

Organization.—During the First Term, Beecher, Kelly, and Foster Houses were organized under one Head, Miss Elizabeth Wallace; during the Second Term under Miss Myra Reynolds.

BEECHER.

Members.—Misses Crotty, Cutler, Smith, Wallace, Wolf, Wolpert.

Guests.—Misses Brodlique, Duurloo, Houston, Jeffreys, McCray, Owen, Reynolds, Roberts, Stanley, Todhunter.

KELLY.

Members.—Misses Kennedy, Pellett.

Guests.—Misses Bosworth, Brown, Breyfogle, Clark, Childs, Donagho, Goodwin, Kennedy, Merrill, Page, Smith, Searles, Thompson.

FOSTER.

Members.—Misses Nelson, Daniels, Hill.

Guests.—Adams, Anderson, Bean, Bishop, Brown, Chandler, Davies, Gardner, Geiger, Hosford, Hogeboom, Howard, Jones, King, MacDonald, Mattice, Morrissey, Nichols, Mrs. Owen, Misses Pratt, Redwood, Richardson, Mrs. Squires, Misses Swan, Stebbins, Tregellas, Welch.

CHIEF EVENTS.

A general house-meeting was held at Beecher Hall, on Saturday evening, July 7th. Miss Talbot explained the plans and aims of the life in the Woman's Quadrangle.

A reception was given at Beecher Hall on Thursday, July 19th, to the members of the University.

TREASURER'S REPORT.

July 1st to August 11th, 1874.				
Guest money [Commons]	-	-	-	\$44.50
" " [Rooms]	-	-	-	13.50
August 11th to September 30th, 1894.				
Guest money [Commons]	-	-	-	\$34.25
" " [Rooms]	-	-	-	36.75

REGISTRAR'S CASH STATEMENT.

FOR THE SUMMER QUARTER ENDING SEPTEMBER 30, 1894.

RECEIPTS.		DISBURSEMENTS.	
Women's Commons	\$ 1,531 75		
Examination fees	250 00		
Matriculation fees	2,265 00	Treasurer of the University, -	\$20,008 73
Tuition fees	9,660 56		
University Library fees	798 75		
Divinity Library fees	110 38		
University Incidental fees	798 75		
Divinity Incidental fees	110 37		
Room Rent, Foster Hall	\$ 610 00		
" " Kelly Hall	308 50		
" " Beecher Hall	263 00		
" " Snell Hall	420 75		
" " Graduate Hall	606 34		
	2,208 59		
Furniture Tax, Foster Hall	\$ 40 00		
" " Kelly Hall	16 00		
" " Beecher Hall	14 00		
" " Snell Hall	35 00		
" " Graduate Hall	32 00		
	137 00		
Divinity Hall, heat, light, and care	412 00		
University Extension	618 60		
Library fines	4 70		
Chemical Laboratory fees	877 71		
Biological " "	81 32		
Diplomas	140 00		
Affiliated School work	3 25		
Total	\$20,008 73	Total	\$20,008 73

THE EMPLOYMENT BUREAU.

NOTE—A considerable discrepancy will be noted between this and former reports of the Bureau. It must be borne in mind that (1) during this first Summer Quarter, the attendance at the University was light, (2) the students were mainly professional men and women, not in need of assistance, and (3) the most lucrative fields of student employment were not open during the summer.

REGISTRATION.				OCCUPATIONS AND EARNINGS.		
SCHOOL.	NUMBER REGISTERED.	RECEIVED WORK.	RECEIVED NO WORK.	OCCUPATION.	NUMBER ENGAGED.	TOTAL AM'T EARNED.
Graduate, -	18	12	6	Tutoring, - - -	8	\$173 50
Colleges, -	12	8	4	Public School Teaching -	2	65 00
Divinity, -	3	1	2	Commons Work - - -	3	52 00
Special, -	10	7	3	Building and Grounds -	-	-
	43	28	15	Clerking - - - - -	3	102 00
				Stenography and Typewriting	7	175 65
				Hotel and Housework -	3	43 20
				Newspaper Correspondence,	1	100 00
				Canvassing - - - -	1	3 50
				Total - - - - -	28	\$714 85

MISCELLANEOUS.

Average amount earned in each situation, - \$25.51
 Of the 15 not receiving work :
 9 registered for some special teaching only.
 6 had not yet entered the University.

THE STUDENTS' FUND SOCIETY.

No appropriations were made during the Summer Quarter.

The University Extension Division.

NATHANIEL BUTLER, *Director.*

THE LECTURE-STUDY DEPARTMENT.

CHARLES ZEUBLIN, *Secretary.*

LIST OF CENTRES, WITH ADDRESS OF SECRETARIES.

CENTRES IN CHICAGO.

- All Souls—Mrs. E. T. Leonard, 6600 Ellis av.
Association—Mr. C. D. Lowry, 143 Park av.
Chicago Kindergarten Club—Miss Mary J. Miller,
2535 Prairie av.
Chicago Trade and Labor Assembly—Mr. M. R.
Grady, 478 Marshfield av.
Centenary—Mr. A. E. Trowbridge, 97 Laflin st.
Church of the Redeemer—Hon. S. N. Brooks, 271 Warren av.
Drexel—Mr. E. C. Page, 56 Wabash av.
Englewood—Rev. R. A. White, 6638 Stewart av.
Garfield Park—Adelia E. Robinson, 1527 Carroll av.
Hull House—Miss Jane Addams, 335 S. Halsted st.
Hyde Park—Mr. C. H. Smith, 5313 Washington av.
Irving Park—Mrs. Ernest Pitcher.
Kenwood—Mr. Charles Loughridge, 4728 Greenwood av.
K. A. M. Knowledge Seekers—Rev. I. S. Moses, 3131
Prairie av.
Lake View—Mr. Frank H. McCulloch, 1113 The Rookery.
Leavitt Street.—Miss Nellie Dunton, 840 Adams st.
Memorial—Mrs. L. A. Crandall, 4443 Berkley av.
- Millard Av.—Miss Jessie Stiles, 1804 W. 22d st.
Newberry Library—Mr. George L. Hunter, Hotel
Granada, Ohio and Rush sts.
Oakland—Mr. J. A. Burhans, 204 Oakwood Boul.
Owen Scientific—Dr. C. E. Bently, 277 State st.
People's Institute—Mr. W. G. Clarke, 54 Campbell
Park.
Plymouth—Dr. C. E. Boynton, Hotel Everet, 3617-23
Lake av.
Ravenswood—Mr. M. L. Roberts.
Robey St.—Mr. Howard E. Hall, 250 Warren av.
Sinai—Miss Rose G. Kauffman, 3313 Calumet av.
St. James—Miss Minnie R. Cowan, 2975 Wabash av.
St. Paul's—Miss Sarah Hanson, Cottage Grove av.
and 31st st.
Tracy—Mr. T. A. Dungan, 159 La Salle st.
Union Park—Dr. R. N. Foster, 553 Jackson Boul.
University—Mr. O. J. Thatcher, The University of
Chicago.
University Settlement—Dr. Max West, 4655 Grose av.
Wicker Park—Miss A. A. Deering, 23 Ewing Place.
Windsor Park—Frank G. DeGolyer, 100, 75th st.
Woodlawn—Rev. W. R. Wood, 6231 Sheridan av.

CENTRES OUTSIDE OF CHICAGO.

- Allegan (Mich.)—Miss Frances H. Wilkes.
Arlington Heights (Ill.)—Mr. W. A. Newton, Box 35.
Aurora (Ill.)—Mrs. Agnes C. Willey.
Austin (Ill.)—Mr. S. R. Smith.
Belvidere (Ill.)—Miss Emma Feakins.
Benton Harbor (Mich.)—Miss Lucy Rice.
Blue Island (Ill.)—Mr. W. A. Blodgett.
Burlington (Iowa)—Mr. E. M. Nealley.
Canton (Ill.)—Supt. C. M. Bardwell.
Clinton (Ia.)—Supt. O. P. Bostwick.
Constantine (Mich.)—Miss Rose M. Cranston.
Danville (Ill.)—Mr. J. D. Benedict.
Decatur (Ill.)—Mr. James Lindsay.
Detroit (Mich.)—Mr. H. A. Ford, 393 Second av.
Dowagiac (Mich.)—Supt. S. B. Laird.
Downer's Grove (Ill.)—Miss Gertrude Gibbs.
Dubuque (Ia.)—Miss E. E. Gehrig, 1036 White st.
East Chicago (Ind.)—Miss Edith Middleton.
Elgin (Ill.)—Miss Hattie B. Kneeland.
Flint (Mich.)—Miss Emily E. West.
Freeport (Ill.)—Mr. J. F. Shaible.
Galena (Ill.)—Miss Kate A. McHugh.
- Galesburg (Ill.)—Pres. John H. Finley.
Geneseo (Ill.)—Mrs. W. H. Foster.
Geneva (Ill.)—Mr. H. H. Robinson.
Glencoe (Ill.)—Mrs. R. D. Coy.
Grand Haven (Mich.)—Miss Ruth M. Parish.
Highland Park (Ill.)—Maj. H. P. Davidson.
Hinsdale (Ill.)—Miss Georgia Blodgett.
Indianapolis (Ind.)—Miss Amelia W. Platter, 275 N.
Meridian st.
Joliet (Ill.)—Mr. W. J. Greenwood.
Kalamazoo (Mich.)—Mr. S. O. Hartwell.
La Fayette (Ind.)—Miss Helen Hand.
La Moille (Ill.)—Mr. G. R. Lewis.
La Porte (Ind.)—Mr. F. M. Plummer.
La Salle (Ill.)—Miss Emma Werley.
Lemont (Ill.)—Mr. S. V. Robbins, 5332 Drexel av.,
Chicago.
Lincoln (Ill.)—Rev. J. S. Wrightnour.
Marshall (Mich.)—Miss M. Louise Obenauer.
Maywood (Ill.)—Mr. P. W. Skemp.
Moline (Ill.)—Mrs. C. A. Barnard.

Monmouth (Ill.)—Miss Mollie Wallace.
 Morgan Park (Ill.)—Mr. R. B. Thompson.
 Mt. Carroll (Ill.)—Mrs. F. S. Smith.
 Muskegon (Mich.)—Mrs. M. A. Keating.
 Oak Park (Ill.)—Miss Virginia R. Dodge.
 Osage, (Ia.)—Rev. W. W. Gist.
 Ottawa (Ill.)—Rev. J. H. Edwards.
 Palatine (Ill.)—Miss Vaahti Lambert.
 Pekin (Ill.)—Miss S. Grace Rider.
 Peoria (Ill.)—Miss Caroline B. Bourland.
 Plainwell (Mich.)—Mrs. L. Arnold.
 Princeton (Ill.)—Mr. R. A. Metcalf.
 Quincy (Ill.)—Mr. E. A. Clarke.
 Riverside (Ill.)—Mr. A. W. Barnum.
 Rochelle (Ill.)—Mr. C. F. Philbrook.
 Rockford (Ill.)—Mrs. Anna C. Vincent.
 Rock Island (Ill.)—Mr. Geo. L. Leslie.
 Rogers Park (Ill.)—Mr. Frank Brown.
 Round Table (Kankakee, Ill.)—Mr. A. Swannell.

Saginaw (Mich.)—Prin. W. W. Warner, 414 S. Jefferson av. E. S.
 South Bend (Ind.)—Mrs. E. G. Ketting.
 South Evanston (Ill.)—Mrs. W. M. Green.
 Springfield (Ill.)—Supt. J. H. Collins.
 Shurtleff College (Upper Alton, Ill.)—Dr. A. A. Kendrick.
 Sterling (Ill.)—Mr. Curtis Bates.
 St. Charles (Ill.)—Prof. H. C. Wilkinson.
 St. Joseph (Mich.)—Mr. G. W. Loomis.
 Streator (Ill.)—Mr. J. E. Williams.
 Terre Haute (Ind.) State Normal School—Mr. A. R. Charman.
 Toledo (Ohio)—Miss Nellie Donat.
 Tremont (Ill.)—Dr. J. M. Coody.
 Washington (Ia.)—Rev. Arthur Fowler.
 Waterloo (Ia.)—Miss Lydia Hinman.
 Waukegan (Ill.)—Mrs. Metta Smith Starin.
 Wheaton (Ill.)—Mr. Geo. Brewster.

DISTRICT ASSOCIATIONS.

Cook County Association—Mr. George Leland Hunter, Hotel Granada, Ohio and Rush sts.
 Northern Illinois Association—Miss Flora Guiteau, Freeport, Ill.

THE CORRESPONDENCE-STUDY DEPARTMENT.

Number of courses offered, 88.

ACADEMY AND ACADEMIC COURSES.

NAME OF COURSE.	INSTRUCTOR AND READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Latin.	Miss Pellett.	11	66
Mathematics.	Asst. Prof. Hoover.	16	33
Pol. Economy.	Dr. West.	3	22
Rhetoric.	Mr. Lovett.	11	80
Eng. Literature.	Assoc. Prof. McClintock.	12	22
Tennyson and Browning.	Mr. Triggs.	2	11
Hist. of the Middle Ages.	Assoc. Prof. Thatcher.	5	33
Hist. of the U. S.	Dr. Shepardson.	5	12

UNIVERSITY COLLEGES.

NAME OF COURSE.	INSTRUCTOR.	READER.	NO. OF STUDENTS.	NO. OF RECITATION PAPERS DURING QUARTER.
Psychology.	Assoc. Prof. Strong.	Mr. Sisson.	6	2
Logic.	Assoc. Prof. Tufts.	Assoc. Prof. Tufts.	1	5
Latin.	Asst. Prof. Miller.	—	1	6
Bib. Lit. in Eng.	—	Mr. Woodruff.	104	65
Semitic Languages.	—	Dr. Crandall.	174	277
Arabic.	Prof. Sanders.	Prof. Sanders.	2	
N. T. Greek.	—	Mr. Votaw.	46	156
Assyrian.	Mr. Berry.	Mr. Berry.	1	1

GRADUATE AND DIVINITY COURSES.

SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS	SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS
Philosophy.	Assoc. Prof. Tufts.	2	Mathematics.	Prof. Moore.	1
American History.	Dr. Shepardson.	1	Mathematics.	Asst. Prof. Hoover.	6
Social Science.	Assoc. Prof. Henderson.	3	Greek.	Prof. Shorey.	1
	Asst. Prof. Talbot.	1	German.	Assoc. Prof. Cutting.	2
Geology.	Head Prof. Chamberlin.	1	Anthropology.	Asst. Prof. Starr.	1

The University Library and Libraries.

During the Summer Quarter there have been added to the Library of the University a total number of 1332 new books from the following sources:

Books added by purchase, 1186 vols.

Distributed as follows:

General Library, 16 vols.; Philosophy, 109 vols.; Political Economy, 12 vols.; Sociology, 25 vols.; Anthropology, 11 vols.; Comparative Religion, 27 vols.; Semitic, 11 vols.; New Testament, 3 vols.; Philology, 21 vols.; Greek, 53 vols.; Latin, 7 vols.; Romance, 105 vols.; German, 16 vols.; English, 109 vols.; Mathematics, 5 vols.; Physics, 14 vols.; Chemistry, 2 vols.; Geology, 333 vols.; Biology, 11 vols.; Zoology, 1 vol.; Palæontology, 5 vols.; Botany, 14 vols.; Anatomy, 1 vol.; Physiology, 3 vols.; Systematic Theology, 34 vols.; Homiletics, 5 vols.; Church History, 8 vols.; Political Science, 24 vols.; Pedagogics, 1 vol.; History, 64 vols.; Physical Culture, 136 vols.

Books added by gift, 117 vols.

Distributed as follows:

General Library, 98 vols.; Political Economy 1 vol.; Sociology, 2 vols.; Anthropology, 2 vols.; Comparative Religion, 2 vols.; Biology, 1 vol.; Romance, 1 vol.; Geology, 8 vols.; Mathematics, 1 vol.

Books added by exchange for University Publications, 29 vols.

Distributed as follows:

Journal of Political Economy, 13 vols.; Journal of Geology, 1 vol.; Biblical World, 15 vols.

Library Correspondence.

Total number of post-office letters sent from the Librarian's office, 69.

Letters soliciting books for review, exchange with University Publications and general business, as follows: Foreign, 12; United States, 57; Postals, 93; Gift Notices, 107; Fine notices, 42; Postals.

Money collected on Library fines for the Quarter, \$5.65.

The University Press Division.

C. W. CHASE, Director.

THE PUBLISHING DEPARTMENT.

PERIODICALS ISSUED FROM THE UNIVERSITY PRESS.

JULY-SEPTEMBER, 1894.

THE JOURNAL OF POLITICAL ECONOMY.

Quarterly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 75 cents.

Number issued, 1,000; number of subscribers, 305.

Vol. II., No. 4, September, 1894. pp. 485-619.

Are We Awakened? by H. von Holst.—*California Bread-stuffs*, by Horace Davis.—*Gold and Silver in Santo Domingo*, by J. Laurence Laughlin.—*The Formula of Sacrifice*, by H. J. Davenport.—NOTES.—MISCELLANIES.—*Exportation of Wheat from India*.—BOOK REVIEWS.—APPENDIX.

THE JOURNAL OF GEOLOGY.

Eight numbers yearly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 50 cents.

Number issued, 600; number of subscribers, 231.

Vol. II., No. 5, July-August, 1894. pp. 456-548.

The Origin of the Oldest Fossils and the Discovery of the Bottom of the Ocean, by W. K. Brooks.—*The Amazonian Upper Carboniferous Fauna*, by Orville A. Derby.—*Geological Surveys of Ohio*, by Edward Orton.—STUDIES FOR STUDENTS: *Proposed Genetic Classification of Pleistocene Glacial Formations*, by T. C. Chamberlin.—EDITORIALS.—REVIEWS: *The Iron-Bearing Rocks of the Mesabi Range in Minnesota*, J. EDWARD SPURR, by T. C. Hopkins.—*The Mineral Industry: Its Statistics, Technology, and Trade in the United States and other Countries. etc.*, by T. C. Hopkins.

Vol. II., No. 6, September-October, 1894. pp. 550-647.

The Cenozoic Deposits of Texas, by E. T. Dumble.—*Outline of Cenozoic History of a Portion of the Middle Atlantic Slope*, by N. H. Darton.—*The Metamorphic Series of Shasta County, California*, by James Perrin Smith.—STUDIES FOR STUDENTS: *Superglacial Drift*, by Rollin D. Salisbury.—EDITORIALS.—REVIEWS: *Some Recent Alpine Studies*, by G. P. Grimsley.—ANALYTICAL ABSTRACTS OF CURRENT LITERATURE: *Eastern Boundary of the Connecticut Triassic*, W. M. Davis and L. S. Griswold.—*Some New Red Horizons*, B. S. Lyman.—*Minerals Found in Building Stones*, Lea McL. Luquer.—*Landscape Marble*, Beebe Thompson.—*Connecticut Brownstone*, B. H. Allbee.—*Lake Superior Sandstones*, H. G. Rothwell.—*The Great Bluestone Industry*, H. B. Ingram.

THE BIBLICAL WORLD.

Monthly. 8vo. \$2.00 per year. Foreign countries \$2.50. Single numbers 20 cents.

Number issued, 3,000; number of subscribers, 1,636; additions to subscription list during the quarter, 62.

Vol. IV., No. 1, July, 1894. pp. 1-80.

EDITORIALS.—STUDIES IN PALESTINIAN GEOGRAPHY: I, *The Land as a Whole*, by Professor J. S. Riggs.—*The Value and Danger of the Study of Comparative Religion*, by the Rev. Frank N. Riale.—*The Hebrew Stories of the Deluge: Genesis VI.-IX.*, by William R. Harper.—*The Israelite View of Patriotism*, by Professor John Poucher.—*Jeroboam and the Disruption*, by Charles Foster Kent.—EXPLORATION AND DISCOVERY: *The Westcar Papyrus*, by J. Hunt Cooke.—NOTES AND OPINIONS.—SYNOPSIS: *The Four Periods of the Book of Jeremiah*, by Rev. G. Douglass.—*The Book of Jonah; Its Authorship and Date of Composition*, by Rev. John Kennedy.—*The Prophets and Sacrifice*, by Professor Andrew Harper.—*The Hebrew Legend of Civilization in the Light of Recent Discovery*, by W. St. Chad Boscawen.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. IV., No. 2, August, 1894. pp. 81-160.

EDITORIALS.—STUDIES IN PALESTINIAN GEOGRAPHY: II, *Judea*, by Professor J. S. Riggs.—"The Lamb that hath been slain from the Foundation of the World," by Rev. Jesse L. Fonda.—*Hinduism's Points of Contact with Christianity: IV., Salvation*, by Merwin-Marie Snell.—*The Deluge in other Literatures and History*, by William R. Harper.—*The Kingdom of Heaven in the Gospel of Matthew*, by Rev. Thomas J. Ramsdell.—THE BIBLE AND THE SUNDAY SCHOOL: *Sunday-School Work and How it can be Improved*, by Rev. F. N. Peloubet.—NOTES AND OPINIONS.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vov. IV., No. 3, September, 1894. pp. 161-240.

EDITORIALS.—*The Psalms of the Pharisees*, by Professor Frank C. Porter.—STUDIES IN PALESTINIAN GEOGRAPHY: III, *Palestine*, by Professor J. S. Riggs.—*Some General Considerations Relating to Genesis I.-XI.*, by William R. Harper.—EXPLORATION AND DISCOVERY: *The Circassian Colonies at Ammán and Jerash*, by Dean A. Walker.—SYNOPSIS.—NOTES AND OPINIONS.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

THE UNIVERSITY EXTENSION WORLD.

Quarterly. 8vo. \$1.00 per year, postage prepaid. Single numbers, 25 cents.

Number issued, 1,000; number of subscribers, 131; additions to subscription list during the quarter, 9.

Vol. IV., No. 1, July, 1894.

Frontispiece: The University of Chicago.—EDITORIAL.—*The New Humanity*, by Albion W. Small.—*Precursor of University Extension in the United States.*—*Bismarck and Socialism*, by Elizabeth H. Moss.—*The Summer Quarter of 1894 in the University of Chicago*, by Francis W. Shepardson.

HEBRAICA.

Quarterly. 8vo. \$3.00 per year. Foreign countries \$3.50. Single numbers 75 cents.

Vol. X., Nos. 1 and 2, October, 1893–January, 1894. pp. 1–110.

The Semitic Istar Cult, by George A. Barton.—*Prayer of the Assyrian King Asurbanipal*, by James A. Craig.—*Livre intitulé Laisa, sur les exceptions de la langue arabe*, par Ibn Khâlawayhi, dit Ibn Khâlawayhi. Texte arabe publié d'après le manuscrit unique du British Museum, par Hartwig Derenbourg.—CONTRIBUTED NOTES.—BOOK NOTICES.

THE BOOK, PURCHASE, AND SALE DEPARTMENT.

QUARTERLY REPORT, ENDING OCTOBER 1, 1894.

1. Books purchased for the University, classified according to departments:

Philosophy, \$162.05; Political Economy, \$35.78; Political Science, \$68.06; History, \$592.99; Sociology, \$67.01; Anthropology, \$80.33; Comparative Religion, \$71.23; Sinai-Semitic Fund, \$336.53; Sanskrit and Comparative Philology, \$61.37; Greek, \$32.48; Latin, \$36.12; German, \$31.61; English, \$218.07; Biblical Literature, \$65.15; Mathematics, \$44.34; Physics, \$55.59; Chemistry, \$1.44; Geology, \$135.12; Botany, \$28.03; Zoology, \$119.85; Paleontology, \$153.83; Anatomy and Histology, \$141.39; Physiology, \$118.52; Neurology, \$105.58; Classical Archaeology, \$16.12; General Biology, \$58.72; Systematic Theology, \$58.44; Homiletics, \$5.16; Church History, \$6; Pedagogy, \$1.10; Romance, \$26.45; Morgan Park Academy, \$61.57; General Library, \$3.12. Total, \$2,999.20.

2. Apparatus purchased, classified according to departments:

Philosophy, \$25.66; Physics, \$134.84; Chemistry, \$1,910.82; Geology, \$543.10; Botany, \$8.99; Zoology, \$39.42; Paleontology, \$92; Anatomy and Histology, \$48.99; Physiology, \$58.73; Neurology, \$48.02; Morgan Park Academy, \$23.30; Semitics, \$542.80; General Biology, \$2.80. Total, \$3,479.47.

3. Supplies purchased and classified according to a) Departments:

Philosophy, \$.81; Political Science, \$10.02; Anthropology, \$2.96; Greek, \$.15; English, \$1.65; Astronomy, \$15.44; Physics, \$60.29; Chemistry, \$31.96; Geology, \$2.58; Botany, \$1.25; Zoology, \$17.97; Paleontology, \$2.05; Neurology, \$.35; General Biology, \$1.70; Romance, \$1.20; Morgan Park Academy, \$.04; Divinity, \$.82. Total, \$162.24.

b) Offices:

President's, \$7.26; Dean's, \$18.93; Secretary's, \$28.07; Registrar's, \$37.91; Examiner's, \$10.07; Recorder's, \$.4; University Extension, \$32.71. Total, \$128.95.

4. Books and Stationery purchased for the Book-store, \$3,350.05.

5. Books and Stationery sold through the Book-store, \$4,296.73.

6. Expenses for quarter for salaries: manager, book-keeper, stenographer, and clerks—Total for department, \$1,431.72.

The University Affiliations.

REPORT FOR SUMMER QUARTER, 1894.

MORGAN PARK ACADEMY
(MORGAN PARK).

GEORGE NOBLE CARMAN, *Dean.*

List of Instructors, with Number and Character of Courses :

Burgess, I. B. 1 M. (Cæsar); 1 M. (Virgil); 1 MM. (Beg. Latin).
Cornish, R. H. 1 MM. (Physics); 1 M. (Botany).
Bronson, F. M. 1 M. (Xenophon); 1 MM. (Beg. Greek); 1 M. (Cicero).
Caldwell, E. L. 1 M. (Geometry); 1 MM. (Algebra).
Chase, W. J. 1 M. (English); 1 M. (Arithmetic).
DeLagneau, L. R. 1 DMM. (Elementary French).
Slaught, H. E. 1 MM. (Geometry); 1 M. (Algebra).
Sisson, E. O. 1 MM. (Beg. Greek); 1 MM. (Greek History); 1 M. (Xenophon).
Pellett, F. 1 M. (Cæsar); 1 MM. (Beg. Latin); 1 M. (Virgil).
Carman, G. N. 1 M. (English); 1 M. (Rhetoric); 1 DM. (General History).

Latin :	9 (2 DM.; 1 M.; 1 DMM.);	58
French :	4 (1 DMM.);	5
English :	3 (3 M.);	44
Mathematics :	7 (2 MM.; 3 M.);	43
Science :	3 (1 M.; 1 MM.);	10

States and Countries from which Students have come :

Alabama, 2; California, 1; Connecticut, 1; Illinois, 52; Indiana, 5; Iowa, 3; Michigan, 2; Mississippi, 1; Missouri, 6; Montana, 1; Nebraska, 3; Ohio, 2; South Dakota, 1; Texas, 2; Virginia, 1; Wisconsin, 4; Hawaii, 1.

Number of Students :

Enrolled during Summer Quarter, 88.
Discontinuing at end of Summer Quarter, 21.
Entering at beginning of Autumn Quarter, 98.
Attendance for Current Quarter, 165.

Departments :

NO. OF COURSES.	STUDENTS.
History : 5 (1 M.; 1 MM.; 1 DM.);	44
Greek : 6 (1 DM.; 1 DMM.);	15

Distribution of Students leaving :

Temporarily, 11. Permanently, 2.
Changing School, 3. Entering College, 5.

PART II.—ANNOUNCEMENTS.

The University in General.

THE WINTER CONVOCATION AND THE UNIVERSITY UNION.

THE WINTER CONVOCATION.

January 1, *Tuesday*.

New Year's Day; a holiday.
First Term of the Winter Quarter opens.

January 2, *Wednesday*.

8:30 A.M. to 12:30 P.M., and 2:00 to 4:30 P.M.,
Matriculation and Registration of In-
coming Students.

3:00 P.M., Conference of Teachers of Polit-
ical Economy, History, and Sociology.
Address of welcome by THE PRESIDENT OF
THE UNIVERSITY.

8:00 P.M., Winter University Convocation.
The Auditorium (cor. Wabash av. and
Congress st.)

Address by SETH LOW, LL.D., President of
Columbia College, New York, N. Y.

10:00 P.M., Reception to PRESIDENT LOW.

January 3, *Thursday*.

8:30 A.M., The lectures and recitations of

the Winter Quarter begin.

10:00 A.M., Conference.

Subject: *Methods of Teaching Political
Economy and Political Science.*

3:00 P.M., Conference.

Subject: *Local Fields of Investiga-
tion.*

January 6, *Sunday*.

3:30 P.M., Vesper Service.

Theatre, Kent Chemical Laboratory.

8:00 P.M., The Convocation Sermon.

Theatre, Kent Chemical Laboratory

WINTER MEETING OF THE UNIVERSITY UNION

Will be held on Friday, February 9, at 8:00 P.M., in
Theatre, Kent Chemical Laboratory. The programme
will be announced later.

PRIZES.

THE HIRSCH SEMITIC PRIZE.

The *Hirsch Semitic Prize* of \$150.00 is awarded each year for the best paper prepared by a student at the University upon a Semitic subject. The next papers are to be submitted on January 1, 1895. The subjects on which competitors may write are the following:

- 1) The Language of the Assyrian Historical Inscriptions to be treated by Periods.
- 2) The Syntax of the Imperfect in the Semitic Languages.
- 3) The Editing of an Arabic or Syriac Manuscript, or of an Assyrian or Babylonian Text.
- 4) The Hebrew Sabbath.

THE BASTIN PRIZE.

The *Ellen B. Bastin Prize* of not less than \$50.00, offered by the Philosophy and Science department of the Chicago Woman's Club, is to be given to the woman studying at the University of Chicago who presents the best paper embodying the results of her own original research in any of the Natural Sciences. Papers presented in competition are to be handed to the Dean of Women.

WALKER PRIZES IN NATURAL HISTORY.

By the provisions of the will of the late Dr. William Johnson Walker, two prizes are annually offered by the *Boston Society of Natural History* for the best memoirs written in the English language on subjects proposed by a committee, appointed by the Council.

For the next best memoir, a prize not exceeding fifty dollars may be awarded.

Prizes will not be awarded unless the memoirs presented are of adequate merit.

The competition for these prizes is not restricted but open to all.

Each memoir must be accompanied by a sealed envelope enclosing the author's name and superscribed with a motto corresponding to one borne by the manuscript, and must be in the hands of the Secretary on or before April 1, of the year for which the prize is offered.

Subjects for 1895:

- (1) A study of the "Fall line" in New Jersey.
- (2) A study of the Devonian formation of the Ohio basin.
- (3) Relations of the order Plantaginaceæ.
- (4) Experimental investigations in morphology or embryology.

Subjects for 1896:

- (1) A study of the area of schistose or foliated rocks in the eastern United States.
- (2) A study of the development of river valleys in some considerable area of folded or faulted Appalachian structure in Pennsylvania, Virginia, or Tennessee.
- (3) An experimental study of the effects of close fertilization in the case of some plant of short cycle.
- (4) Contributions to our knowledge of the general morphology or the general physiology of any animal except man.

NOTE.—In all cases the memoirs are to be based on a considerable body of original work, as well as on a general view of the literature of the subject.

SAMUEL HENSHAW, *Secretary.*

Boston Society of Natural History,
BOSTON, MASS., U. S. A.

THESES AND EXAMINATIONS.

DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.

Students who are candidates for the higher degrees at the April Convocation, 1895, will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit their thesis, the subject of which has already been approved, in written form to the Head or Acting Head of the Department, on or before Saturday, December 22.

2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before Friday, February 1, 1895.
3. Students who are candidates for the degree of Bachelor of Divinity or Bachelor of Theology must submit their thesis on or before Saturday, December 22.
4. In all cases the applicants will present in writing to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

HOLIDAYS AND OTHER SPECIAL DAYS.

The First Term of the Autumn Quarter closes on Saturday, November 10.

The Autumn Quarter closes on Saturday, December 22, with a recess from December 23 to 31.

The Winter Quarter begins on Tuesday, January 1, 1895.

The First Term of the Winter Quarter ends on Monday, February 11.

Thursday, November 29, Thanksgiving Day; a holiday.

Tuesday, January 1, New Year's Day; a holiday.

Tuesday, February 12, Lincoln's Birthday; a holiday.

Friday, February 22, Washington's Birthday; a holiday.

REGISTRATION AND SPECIAL EXAMINATIONS.

Saturday, December 1, is the last day for students in residence to hand in their registration cards for the Winter Quarter.

Students entering the University for the first time or resuming work after an absence of a term or a longer period must register on or before Wednesday, January 2, 1895.

Examinations at other than the regular dates may be given only at the University, and only by special permission of the Examiner and upon the payment of a fee of not less than \$10.00 nor more than \$15.00.

QUARTERLY EXAMINATIONS.

The Quarterly examinations for the current Autumn Quarter will be held December 19-21. One half day will be devoted to each exercise, in the order of the daily programme, as seen in the following scheme:

EXERCISE.	EXAMINATION.
8:30 A.M.	Wednesday, December 19, A.M.
9:30 A.M.	Wednesday, December 19, P.M.
10:30 A.M.	Thursday, December 20, A.M.
11:30 A.M.	Thursday, December 20, P.M.

EXERCISE.	EXAMINATION.
2:00 P.M.	Friday, December 21, A.M.
3:00 P.M.	Friday, December 21, P.M.

Exercises occurring at or after 4:00 P.M. will have their examinations on Saturday, December 22.

The hours of the morning examinations will be from 9 to 12, of the afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

CIRCULARS OF INFORMATION.

The *Circulars of Information* which are reprints of certain portions of the UNIVERSITY REGISTER will be sent upon application.

The Circular of Information concerning THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE contains in Part I. a statement of the dates upon which various University events occur, a list of departments of instruction, the terms of admission to the *Graduate School*, conditions of candidacy for the degrees of master of arts, master of science, master of philosophy and doctor of philosophy; statements concerning University fellowships, special fellowships, graduate scholarships, and docentships, the method of application

for the same, statements concerning theses and examinations, departmental journals and other departmental publications, regulations governing the selection of courses, non-resident work, rooms and fees. Part II. of the circular describes the organization of the *Colleges*, contains the regulations governing the admission of students to advanced standing, the admission of unclassified students, the selection of courses, average annual expenses, the students' fund society, the employment bureau, scholarships, the conditions of candidacy for the degrees of bachelor of arts, bachelor of philosophy, and bachelor of science, the requirements for admission to the Academic Colleges, the regulations

governing the examinations for admission, and the courses of study in the Academic Colleges. Part III. contains a list of the courses offered for the current year in the Graduate School and the University College of Arts and Literature, the Ogden (Graduate) School of Science, and University College of Science, and the Academic Colleges, together with the order of examinations for admission.

The Circular of Information for THE DIVINITY SCHOOL contains an historical statement, a list of the officers of government and instruction, a list of courses for the current year in the Graduate Divinity School, the English Theological Seminary, the Danish-Norwegian Theological Seminary, and the Swedish Theological Seminary; articles upon the purpose and constituency of the Divinity School, the terms of admission, the departments of instruction, regulations governing the selection of courses, conditions of candidacy for degrees or certificates, theses and examinations, the library, fellowships, opportunities for religious work, special regulations, expenses and opportunities for self-help, together with a list of the students in the various departments.

The Circular of Information for THE UNIVERSITY EXTENSION DIVISION is issued in three separate parts. Part I. relates to the work of the *Lecture-study Department*. It contains (1) information relating to the general plan of University Extension lecture-studies and to the credit extended for the work done, directions in reference to organization, information as to expenses of the courses of lectures, and other information helpful to local Committees in

organizing and promoting the work of University Extension in their towns; (2) a list of the lecturers, with a full statement of the subjects of their courses, and also of the separate lectures included in each course.

Part II. relates to the work of the *Correspondence-teaching Department*. It contains (1) general information relating to the purpose and method of instruction offered by Correspondence, the relation of Correspondence students to the University, the credit which they receive for the work, and other information for the guidance of those who desire to receive University instruction by Correspondence; (2) courses of instruction offered in this Department.

Part III. relates to the work of the *Class-work Department*. It contains (1) general information as to the aim, method, and organization of the work, the relation of Class-work students to the University, the regulation for examinations, the credit for the work done, and the regulations governing the selection of courses; (2) a full statement of the classes organized and the work offered in the Class-work Department of the University Extension Division.

THE UNIVERSITY ACADEMY at Morgan Park also issues a CALENDAR, which will be sent upon application, giving a list of the officers of government and instruction, and containing information in regard to the requirements for admission, the courses of study, average expenses, scholarships, self-help, the dormitories, special regulations, together with a description of the buildings and grounds and a list of the students in attendance during the current year.

The University (Proper).

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

JULY 1, 1894, TO JULY 1, 1895.

NOTE.—The following is a list of the titles of courses to be given in the University from July 1, 1894, to July 1, 1895.

For a complete description of the courses consult the **ANNUAL REGISTER** and the **DEPARTMENTAL PROGRAMMES**. The number of each course in the **REGISTER** is indicated by the number in parentheses following the title of the course.

The hour of the exercise is indicated after the course. In case no hour is indicated it will be arranged when the class is formed. The days on which exercises are held will be designated by the instructor.

* Courses marked by a star are intended exclusively or primarily for Graduate Students.

ABBREVIATIONS.—A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K=Kent Chemical Laboratory, R=Ryerson Physical Laboratory, W=Walker Museum.

The abbreviations used in the description of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Winter Quarter on or before December 1; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signature of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done; (3) deposit the same in the office of the Dean, and (4) receive from the Dean a class ticket.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before January 2, 1895. Registration after this date may be secured only, (1) by special permission granted by the Dean and (2) after the payment of a special fee of five dollars.

THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGES OF ARTS AND LITERATURE.

I. PHILOSOPHY.

R, and C 13-17.

Summer Quarter.

HEAD PROFESSOR DEWEY. (C 14)

Psychological Ethics. DM. (16) 9:30

Seminar Methods of Psychological Observation.
DM. (17) 11:30

ASSOCIATE PROFESSOR TUFTS. (C 17)

Psychology. James, and Dewey, *Psychologies*, with lectures and demonstrations. DM. (2a) 10:30

History of Modern Philosophy. Windelband, *History of Philosophy*, with especial study of Locke, Hume, and Kant. DM. (4b) 8:30

Autumn Quarter.

HEAD PROFESSOR DEWEY. (C 14)

Seminar. Introduction to contemporary metaphysical thought. DM. (12) 2:00

The Logic of Ethics. DM. (13) 9:30

ASSOCIATE PROFESSOR TUFTS. (C 17)

General History of Philosophy. DM. (4) 10:30

Seminar in English Philosophy. DM. (6) 2:00

Philosophical German (7), with Course 6.

ASSISTANT PROFESSOR ANGELL AND MR. McLENNAN.
(R 33)

Experimental Psychology. Training course. DM. (19) 8:30

Experimental Psychology. Research course. DM. (20)

ASSISTANT PROFESSOR MEAD. (C 11 and 17)

Comparative Psychology. DM. (21) 11:30

Logic. DM. (5) 8:30 and 9:30

Winter Quarter.

ASSOCIATE PROFESSOR TUFTS. (C 17)

General History of Philosophy. DM. (4) 10:30

Seminar in English Philosophy. DM. (6) 2:00

Philosophical German (7), with Course 6.

ASSISTANT PROFESSOR ANGELL AND MR. McLENNAN.
(R 33)

Experimental Psychology. Training course. DM. 8:30
(19)

Experimental Psychology. Research course. DM.
(20)

Psychology. DM. (2) 9:30

ASSISTANT PROFESSOR MEAD. (C 14)

Comparative Psychology. DM. (21) 11:30

Methodology of Psychology. DM. (22) 9:30

Spring Quarter.

ASSOCIATE PROFESSOR STRONG.

Recent Psychological Theories. DM. (23)

Morbid Psychology. M. (24) First Term.

Psychology in its relations with Philosophy. M.
(25) Second Term.

ASSOCIATE PROFESSOR TUFTS. (C 17)

Movements of Thought in the Nineteenth Century.
M. First Term. (4a) This course forms the
conclusion of the General History of Philoso-
phy, but it may be taken separately by those
who have had Courses 1-3.

Seminar in English Philosophy. M. (6) First
Term.

Philosophical German (7), with Course 6. First
Term.

ASSISTANT PROFESSOR ANGELL AND MR. McLENNAN.
(R 33)

Experimental Psychology. Training course. DM.
(19)

Experimental Psychology. Research course. DM.
(20)

ASSISTANT PROFESSOR MEAD. (C 14)

Philosophy of the Concepts of Matter and Motion
in the Physical Sciences. DM. (11)

Introduction to Philosophy. DM. (3)

II. POLITICAL ECONOMY.

C 3-8.

Summer Quarter.

PROFESSOR MILLER.

Principles of Political Economy. DM. (1) 8:30

History of Political Economy. DM. (5) 11:30

Seminar in Finance. DM. (20) 4:00

MR. HILL.

Railway Transportation. DM. (12) 3:00

Tariff History of the United States. DM. (13)
2:00

DR. CALDWELL.

Economic Factors in Civilization. DM. (6) 9:30

Scope and Method of Political Economy. DM. (3)
3:00

DR. HOURWICH.

Statistics. DM. (10) Mondays and Fridays,
10:30-12:30

Autumn Quarter.

HEAD PROFESSOR LAUGHLIN. (C 3)

*Economic Seminar. DM. (21) 3:00

Money and Practical Economics. DM. (9) 11:30

PROFESSOR A. C. MILLER. (C 3)

History of Political Economy. DM. (5) 9:30

Finance. DM. (15) 3:00

Seminar in Finance. DM. (20) 4:00

PROFESSOR MILLER AND MR. HILL. (C 3)

Principles of Political Economy. 8:30

MR. HILL. (C 5)

Tariff History of the United States. DM. (13) 2:00

DR. VEBLEN.

Socialism. DM. (7) 10:30

*Social and Economic Ideals. DM. (7) 8:30

DR. HOURWICH.

Statistics. DM. (10) 9:30

Winter Quarter.

HEAD PROFESSOR LAUGHLIN. (C 3)

*Economic Seminar. DM. (21) 3:00

Money and Practical Economics. DM. (9) 11:30

PROFESSOR A. C. MILLER. (C 3)

Advanced Political Economy. DM. (1a) 8:30

Economic and Social History. DM. (2) 10:30

*Seminar in Finance. DM. (20). 4:00

PROFESSOR MILLER AND MR. HILL. (C 3)

Scope and Method of Political Economy. DM.
(3) 9:30

MR. HILL. (C 5)

Descriptive Political Economy. DM. (1 B) 8:30

Railway Transportation. DM. (12) 2:00

DR. VEBLEN.

Socialism. DM. (7) 10:30

DR. HOURWICH.

Advanced Statistics. DM. (11) 9:30

*Spring Quarter.***HEAD PROFESSOR LAUGHLIN.**

- *Economic Seminar.** DM. (21) 3:00
Unsettled Problems of Economic Theory. DM. (4) 11:30

PROFESSOR MILLER.

- Economic and Social History.** DM. (2) 8:30
Financial History of the United States. DM. (14) 9:30

MR. HILL.

- Seminar in Railways.**
Banking. DM. (17) 2:00
Oral Debates. DM. (19) 3:00

DR. VEBLEN.

- American Agriculture.** DM. (16) 10:30
***Social Economics.** DM. (8A) 3:00

DR. HOURWICH.

- Advanced Statistics.** DM. (11)
 Mondays and Fridays, 10:30-12:30

III. POLITICAL SCIENCE.

C 1, 9, 10, 12.

*Summer Quarter.***HEAD PROFESSOR JUDSON. (C 9)**

- *Comparative Politics.** DM. (10) 9:30
Civil Government in the United States. DM. (12) 10:30

MR. CONGER. (C 9)

- Geography of Europe.** DM. (11) 11:30

*Autumn Quarter.***HEAD PROFESSOR JUDSON. (C 9)**

- *Comparative Politics. National Government.** DM. (11) 9:30

Prerequisite: Course (1).

- International Law. The Law of Peace.** DM. (21)
 Prerequisite: Course (1). 10:30

DR. FREUND.

- *Institutes of Roman Law.** DM. (31) 11:30
General Jurisprudence. DM. (4) 8:30

MR. CONGER. (C 9)

- Geography of Europe. Repeated.** DM. (71) 8:30
History of Geography. DM. (72) 9:30

*Winter Quarter.***HEAD PROFESSOR JUDSON. (C 9)**

- *Comparative Politics. American State Government.** DM. (12) 9:30

Prerequisite: Courses (1) and (11).

- International Law. The Law of War.** DM. (22)
 Prerequisite: Courses (1) and (21). 10:30

DR. FREUND. (C 10)

- *Institutes of Roman Law.** DM. (32) 11:30
Administrative Law. DM. (51) 8:30

MR. CONGER. (C 9)

- Geography of Europe. Repeated.** DM. (71) 11:30
The Physical, Historical, and Political Geography of South and Central America. Preliminary to Course 61, Spring Quarter. DM. (73) 2:00

*Spring Quarter.***HEAD PROFESSOR JUDSON.**

- *Comparative Politics. Municipal Government.** DM. (13) 9:30

- Comparative Politics. Federal Government.** DM. (14) 10:30

DR. FREUND.

- General Jurisprudence.** DM. (42) 8:30
Administrative Law. DM. (52) 11:30

MISS WALLACE.

- A Comparative Study of the Latin-American Republics.** Should be preceded by Course 73, Winter Quarter. DM. (61) 8:30

MR. CONGER.

- Geography of Europe. Repeated.** DM. (71) 11:30
History of Geography. Repeated. DM. (72) 9:30

MR. MOSLEY.

- Civil Government in the United States.** Preliminary course. DM. (1) 11:30

IV. HISTORY.

C 5-8.

*Summer Quarter.***PROFESSOR TERRY.**

- *Seminar: Early European Institutions.** DM. (46)
 Mondays and Saturdays, 8:30-10:30

- The Great Migrations.** DM. (27) 7:30

ASSOCIATE PROFESSOR GOODSPEED.

- The Relations of Hebrew and Egyptian History.** M. 1st Term. (13) 4:00

The Relations of Hebrew and Babylonio-Assyrian
History. M. 2d Term. (14) 4:00

DR. SHEPARDSON.

American History, Colonial. M. 1st Term. (45a)
8:30

American History, National. M. 1st Term. (45b)
9:30

Autumn Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century from
1815. DM. (39) Mondays and Thursdays, 3:00

*Seminar: American History. DM. (52)
Mondays, 4:00-6:00

PROFESSOR TERRY.

*Seminar: English History. The Norman Period.
DM. (49) Mondays and Saturdays, 8:30-10:30

The Feudal Period.—The Holy Roman Empire.
DM. (28) 4:00

Introduction to the Study of Modern History.
DM. (3) 5:00

NOTE. Courses 3-6 are required of University College students as a prerequisite for admission to the graduate courses in History. Academic College students who have successfully completed Courses 1 and 2 may be admitted to Courses 3-6. They should be taken in the order indicated in the Register.

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity to the Persian Empire.
DM. (7) 4:00

The History of Israel.—The Beginnings of Hebrew History. DM. (8) 2:00

DR. WIRTH.

The History of Ancient Greece.—Early Greek History. DM. (16) 5:00

Winter Quarter.

HEAD PROFESSOR VON HOLST. (C. 9 and 7)

The History of Europe in the XIX Century from
1815 (continued). DM. (40)
Monday to Thursday, 3:00

*Seminar: American or Modern European History (continued). DM. (53)
Mondays, 4:00-6:00

PROFESSOR TERRY. (C 7)

*Seminar: English History (continued). The Early Angevin Period. DM. (50)
Mondays and Saturdays, 8:30-10:30

The Feudal Period (continued).—Feudal France. DM. (29) 4:00

ASSOCIATE PROFESSOR GOODSPEED. (D 16)

The History of Israel (continued).—The History of the Hebrew Monarchy. DM. (9) 2:00

MR. CATTERALL. (C 8)

The Protestant Reformation and The Religious Wars. DM. (4) 11:30

See note to Course 3, Autumn Quarter.

DR. WIRTH. (C 8)

The History of Ancient Greece (continued).—The Age of Pericles. DM. (17) 5:00

Spring Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century from
1815 (continued). DM. (41)

*Seminar: American or Modern European History (continued). DM. (54)

PROFESSOR TERRY.

*Seminar: English History (continued) The Later Angevin Period. DM. (51)

The Feudal Period (continued).—The Uppgrowth of the English Monarchy. DM. (30)

ASSOCIATE PROFESSOR GOODSPEED.

The History of Israel (continued).—The Exilic and Post-Exilic History of Israel. DM. (10)

The History of Rome to the Antonines. DM. (20)

DR. SHEPARDSON.

History of the United States. DM. (6)

See note to Course 3, Autumn Quarter.

Social Life in the American Colonies. DM. (44)

MR. CATTERALL.

The French Revolution and the Era of Napoleon. DM. (5)

See note to Course 3, Autumn Quarter.

DR. WIRTH.

The History of Ancient Greece (continued).—The Age of Alexander and His Successors. DM. (18)

V. ARCHÆOLOGY.

Winter Quarter.

PROFESSOR TARBELL. (B 2)

Introduction to Classical Archæology. DM. (1) 10:30

Spring Quarter.

- PROFESSOR TARBELL. (B 2)
 Greek Life from the Monuments. DM. (3)

VI. SOCIOLOGY AND ANTHROPOLOGY

C 2, 10-12, and W.

Summer Quarter.

HEAD PROFESSOR SMALL.

- *The Methodology and Bibliography of Social Science. M. 1st Term. (22) Withdrawn.
- *The Province of Sociology and its Relation to the Special Social Sciences. MM. 1st Term. (24) 8:30-10:30

ASSOCIATE PROFESSOR HENDERSON.

- Methods of Promoting Social Welfare by Voluntary Organizations. MM. 2d Term. (20)
 2:00-4:00

ASSOCIATE PROFESSOR BEMIS.

- Child Labor and Immigration Legislation. DM. (21) 11:30
 Trades Union Demands for State Activity. (20) 10:30

DR. THOMAS.

- The Historical Sociologies. DM. (30) 10:30

DR. WEST.

- General Anthropology. DMM. 4:00

MR. FULCOMER.

- Elements of Sociology. DM. (40) 3:00

Autumn Quarter.

HEAD PROFESSOR SMALL.

- *Seminar: Problems of Social Dynamics. Continuous through three Quarters. First Quarter. DM. (28) 2:00
- *Problems of Social Statics. Continuous through three Quarters. First Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT.

- The Province of Sociology and its relation to the Special Social Sciences. DM. (24) 8:30

ASSOCIATE PROFESSOR HENDERSON.

- *Seminar: Organizations for Promoting Social Welfare. DM. (14) Tuesdays, 4:00-6:00
- The Family. M. 1st Term. (18) 2:00
- Social Institutions of Organized Christianity. M. 2d Term. (15) 2:00
- Voluntary Associations. M. 2d Term. (19) 3:00

ASSISTANT PROFESSOR TALBOT.

- Seminar in Sanitary Science. DM. (10) 3:00
 House Sanitation. DM. (11) 10:30

ASSISTANT PROFESSOR STARR.

- Laboratory Work in Anthropology. DM. (1) 2:00
 Physical Anthropology. Laboratory Work. DM. (2) 3:00
 General Anthropology. DM. (4) 11:30

DR. WEST.

- Applied Anthropology. DMM. (3) 3:00

Winter Quarter.

HEAD PROFESSOR SMALL. (C 10)

- *Seminar: Problems of Social Dynamics. Second Quarter. DM. (28) 2:00

- *Problems of Social Statics. Second Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT. (C 10)

- Social Anatomy, Physiology, and Psychology. DM. (25) 8:30

ASSOCIATE PROFESSOR HENDERSON. (C 11)

- *Seminar: Organizations for Promoting Social Welfare. DM. (14) Tuesdays, 4:00-6:00

- Social Conditions in American Rural Life. M. 1st Term. (31) 3:00

- Economical and Governmental Agencies for Advancement of General Welfare. M. 1st Term. (32) 2:00

- Modern Cities and Coöperation of their Beneficent Forces. M. 2d Term. (33) 3:00

- Social Treatment of Dependents and Defectives. M. (or MM.) 2d Term. (16) 2:00

ASSISTANT PROFESSOR TALBOT. (C 11)

- Seminar in Sanitary Science. DM. (10) 3:00
 Sanitary Aspects of Water, Food, and Clothing. DM. (12) 10:30

ASSISTANT PROFESSOR STARR. (W., 3d floor)

- Laboratory Work in Anthropology. DM. (1) 2:00
 Physical Anthropology. Laboratory Work. DM. (2) 3:00
 Ethnology. DMM and DM. (5) 11:30

DR. M. WEST. (C 10)

- The Settlement Movement and Similar Methods of Amelioration. M (or MM). 1st Term. (39) 3:00

- The Origin and Evolution of Society. A presentation of Professor Giddings' system of sociology. M. 2d Term. (40) 3:00

MR. VINCENT. (C 10)

Contemporary Society in the United States. DM. (37) 3:00

DR. THOMAS. (C 10)

The Historical Sociologies. DM. (30) 9:30

Spring Quarter.

HEAD PROFESSOR SMALL.

*Seminar: Problems of Social Dynamics. Third Quarter. DM. (28) 2:00

*Problems of Social Statics. Third Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT.

Social Anatomy, Physiology, and Psychology (continued). DM. (25) 8:30

ASSISTANT PROFESSOR TALBOT.

General Hygiene. DM. (39) 10:30

Seminar in Sanitary Science. DM. (10) 3:00

The Economy of Living. DM. (13) 9:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1) 2:00

Physical Anthropology. Laboratory Work. DM. (2) 2:00

Prehistoric Archaeology. DM. (6) 11:30

ASSOCIATE PROFESSOR BEMIS.

Labor Legislation, and some other Phases of State Activity on behalf of Wage Workers. DM. (21) 10:30

DR. WEST.

Applied Anthropology. DM. (3) 3:00

MR. VINCENT.

Urban Life in the United States. DM. (38) 3:00

Course 27 forms Part II, and Course 28 Part III of the system of Social Philosophy introduced by Courses 24 and 25. Students who wish to make Sociology their principal subject, may combine Courses 24, 25, and 27 as three Double Majors.

Courses 24 and 25 will be required of all candidates for the degree of Doctor of Philosophy who present Sociology either as primary or secondary subject.

VII. COMPARATIVE RELIGION.

D 16.

Summer Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Historical Development of Religious Ideas. DM. 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Early Historical Religions. DM. (1) 3:00

Winter Quarter.

ASSOCIATE PROFESSOR GOODSPEED. (D 16)

The Hebrew Religion. DM. (2) 3:00

MR. COFFIN. (D 16)

The Elements of Hindi (for beginners). DM. (2a) 10:30

Spring Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Islam. DM. (3) 3:00

PROFESSOR BARROWS.

The Relations of Christianity to the Other Religions; Lectures. M. (4)

VIII. SEMITIC LANGUAGES AND LITERATURES.

D 12-16.

Summer Quarter.

HEAD PROFESSOR HARPER.

Book of Hosea. DM. (24) 7:30

The Arabic Language. The Earlier Suras. M. 1st Term. (86) 10:30

Advanced Hebrew Grammar. M. 2d Term. (94) 9:30

PROFESSOR BURNHAM.

Advanced Hebrew Grammar—Syntax. M. 1st Term. (95) 9:30

The Psalter. M. 1st Term. (22a) 10:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

Hebrew Language. MM. 2d Term. (3) 8:30

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (2) 8:30 and 11:30

Deuteronomy, and Hebrew Syntax. M. 1st Term. (9) 9:30

ASSOCIATE PROFESSOR GOODSPEED.

Relations of Hebrew, Assyrian, and Egyptian History. DM. (36) 4:00

ASSOCIATE PROFESSOR HARPER.

Early Assyrian Historical Inscriptions. M. 1st Term. (73) 9:30

Assyrian Language. M. 1st Term. (71) 10:30

Assyrian Language. MM. 2d Term. 2:00-4:00	Biblical Aramaic. M. 2d Term. (66) 2:00
The Book of Proverbs. M. 2d Term. (27) 9:30	Hebrew Lexicography. (Seminar.) DM. (96) Time to be arranged.
Micah. M. 1st Term. (21) 10:30	
DR. CRANDALL.	ASSOCIATE PROFESSOR GOODSPEED. (D 16)
Historical Hebrew. M. 2d Term. (5) 9:30	History of the Hebrew Monarchy. DM. (32) 2:00
<i>Autumn Quarter.</i>	History of the Hebrew Religion. DM. (50) 3:00
HEAD PROFESSOR HARPER. (D 15)	ASSOCIATE PROFESSOR HARPER. (D 13)
Books of Joel, Amos, Obadiah, and Jonah. DM. (42) 7:30	Advanced Syriac. DM. (69) 9:30
Earlier Suras of the Kuran. DM. (87) 8:30	Selected Assyrian Historical Inscriptions. DM. (75) 10:30
Semitic Seminar. DM. (102) Wednesdays, 2:00-4:00	DR. CRANDALL. (D 16)
ASSOCIATE PROFESSOR PRICE. (D 15)	Deuteronomy—Sight Reading. 1st Term. $\frac{1}{2}$ M. (8) 8:30
Special Introduction to Prophetic Books. DM. (38) Tuesdays and Thursdays, 2:00-4:00	Jeremiah—Sight Reading. 2d Term. $\frac{1}{2}$ M. (14) 8:30
The Book of Kings—Sight Reading. Mondays and Wednesdays.	<i>Spring Quarter.</i>
ASSOCIATE PROFESSOR GOODSPEED. (D 16)	HEAD PROFESSOR HARPER.
Beginnings of Hebrew History. DM. (30) 2:00	Old Testament Institutions and Laws. DM. (48) 7:30
History of Antiquity to the Persian Empire. DM. (34) 4:00	Semitic Seminar. DM. (102) Tuesday, 7:30-9:30
Earliest Historical Religions. DM. (49) 3:00	HEAD PROFESSOR HARPER AND DR. CRANDALL.
ASSOCIATE PROFESSOR HARPER. (D 13)	Beginning Hebrew. MM. 1st Term. (1) 8:30
Beginners' Syriac. DM. (68) 2:00	Books of Samuel. MM. 2d Term. (4) 8:30
Assyrian Language. DM. (72) 3:00	PROFESSOR HIRSCH.
Later Historical Inscriptions. DM. (74) 4:00	Targum. 1st Term. M. (67) 2:00
DR. CRANDALL. (D 16)	Talmud (Jerusalemic). DM. (59) 3:00
Books of Chronicles. M. 2d Term. 11:30	Syriac Authors. DM. (70) 4:00
DR. KENT. (D 15)	Coptic. M. (113) 2:00
Outline of Hebrew History. DM. (29) 11:30	Arabic: Thousand and One Nights. DM. (90) 2:00
<i>Winter Quarter.</i>	Advanced Ethiopic. M. (101) 3:00
HEAD PROFESSOR HARPER. (D 15)	ASSOCIATE PROFESSOR PRICE.
Early Old Testament Traditions. DM. (47) 7:30	The Psalter. DM. (26) 3:00
Arabic History, Geography, and Commentary. DM. (91) 8:30	History, Principles, and Methods of Old Testament Interpretation. (Seminar.) DM. (46) Time to be arranged.
Semitic Seminar. DM. (102) Wednesdays, 2:00-4:00	ASSOCIATE PROFESSOR GOODSPEED.
PROFESSOR HIRSCH. (D 13)	Exilic and Post-Exilic History of Israel. DM. (35) 2:00
Talmud. M. 1st Term. (57) 2:00	History of Ancient Egypt. M. 1st Term. (35) 3:00
Selected Readings from Arabic Authors, using Diesterici's <i>Abhandlungen der Ichwān es Safā</i> (Leipzig, 1884-86) 3:00	Islam. DM. (92) 3:00
ASSOCIATE PROFESSOR PRICE. (D 15)	The History of Babylonia and Assyria. M. 2d Term. (35) 4:00
Special Introduction to Hebrew Poetry and Poetical Books. M. 1st Term. (41) 2:00	ASSOCIATE PROFESSOR HARPER.
Messianic Prophecy. DM. (40) 3:00	Mesopotamian Life. M. 1st Term. (54) 2:00
	Mesopotamian Geography. M. 2d Term. (53) 2:00
	Assyrian Letters. DM. (78) 3:00

DR. KENT.

- Books of Kings.** M. 1st Term. (6) 10:30
Isaiah i-xxxix. M. 2d Term. (11) 10:30

MR. BREASTED.

- Late Egyptian.** DM. (108)
Coptic Language. Sahidic Dialect. DM. (115)

IX. BIBLICAL AND PATRISTIC GREEK.

D 12.

*Summer Quarter.***ASSOCIATE PROFESSOR MATHEWS.**

- The Epistle to the Galatians.** M. 2d Term. (31) 9:30

DR. ARNOLT.

- New Testament Syntax : Noun, Pronoun, and Prepositions.** M. 2d Term. (3) 7:30
Paul's Epistles to the Thessalonians. M. 2d Term. (30) 8:30
New Testament Quotations from the Old Testament. Part II. The Epistles. M. 1st Term. (41) 7:30
 Prerequisites: Courses 1 (or 2), 25 (or 27) and a knowledge of Hebrew.

*Autumn Quarter.***HEAD PROFESSOR BURTON.**

- Life of Paul and Introduction to Pauline Epistles.** DM. (20) 9:30
 Prerequisite: Course 1 or 2.

ASSOCIATE PROFESSOR MATHEWS.

- History of New Testament Times in Palestine.** DM. (10) 9:30-11:30

DR. ARNOLT.

- Josephus.** M. 1st Term. (49) 8:30

*Winter Quarter.***HEAD PROFESSOR BURTON. (D 15)**

- New Testament Greek.** DM. (1) 11:30
Epistle to the Romans. DM. (33) 10:30
 Prerequisites: Courses 1 (or 2); 25 (or 27); and 20.

ASSOCIATE PROFESSOR MATHEWS. (D 15)

- Gospel of Luke : a study in Historical Criticism and Interpretation. A Seminar.** DM. (27) 4:00
The Formation of the New Testament Canon and its History in the Ante-Nicene Period. DM. (57) 10:30

DR. ARNOLT. (D 16)

- Septuagint. Rapid Reading of selected portions.** DM. (44) 8:30
Textual Criticism of the New Testament. DM. (8) 9:30

*Spring Quarter.***HEAD PROFESSOR BURTON.**

- Introduction to the Synoptic Gospels.** M. (18)

ASSOCIATE PROFESSOR MATHEWS.

- Historical Study of the Life of Christ.** DM. (12)

DR. ARNOLT.

- Christian Literature to Eusebius.** DM. (55)
Introduction to the Epistle to the Hebrews, the General Epistles, and the Revelation. DM. (21)

MR. VOTAW.

- Rapid Translation and Interpretation of Paul's Epistles.** DM. (4)

X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B 2-8.

*Summer Quarter.***ASSOCIATE PROFESSOR BUCK.**

- Sanskrit, for Beginners.** DM. 10:30
General Introduction to the Study of Indo-European Philology. M. First Term. (1) 11:30
Comparative Grammar of Greek and Latin. M. Second Term. (2) 11:30

*Autumn Quarter.***ASSOCIATE PROFESSOR BUCK.**

- General Introduction to the Study of Indo-European Philology.** M. First Term. (1) 10:30
Comparative Grammar of Greek and Latin. M. Second Term. (2) 10:30
Sanskrit, for Beginners. DM. (4) 11:30

*Winter Quarter.***ASSOCIATE PROFESSOR BUCK. (B 4)**

- Comparative Grammar of Greek and Latin (continued).** M. First Term. (2) 10:30
Exercises in Greek and Latin Comparative Grammar. M. Second Term. (3) 10:30
Sanskrit (continued). DM. (5) 11:30

*Spring Quarter.***ASSOCIATE PROFESSOR BUCK.**

- Sanskrit (continued).** DM. (6) 10:30
Avestan (Zend). DM. (10) 11:30

XI. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Summer Quarter.

PROFESSOR SHOREY.

Æschylus (Oresteia). M. 1st term. (12) 10:30**Teachers' Course.** M. 1st Term. (23) 11:30

A Greek Reading Club meets once a week from October to June, intended primarily for undergraduates who wish to keep up their knowledge of Greek in the interval between their regular collegiate courses.

Autumn Quarter.

PROFESSOR SHOREY.

Æschylus and Sophocles. DM. (23)

Mondays and Thursdays, 3:00-5:00

The Greek Drama (Seminar). DM. (25)
Wednesdays, 3:00-5:00

Research Work in Greek Philosophy.

PROFESSOR TARBELL.

Introduction to Greek Epigraphy. DM. (11) 10:30

ASSISTANT PROFESSOR CASTLE.

Demosthenes, Oration on the Crown; Æschines,
Selections from the Oration Against Ctesiphon.
DM. (15) 10:30

Winter Quarter.

PROFESSOR SHOREY. (B 2)

The Greek Drama (Seminar). (Continued.) DM.
(25) Wednesdays, 3:00-5:00

Research Work in Greek Philosophy. Hours to be determined later.

PROFESSOR TARBELL. (B 2)

Plato, Protagoras and Euthyphro. DM. (7) 9:30

Introduction to Classical Archæology. DM. (12)
10:30

ASSISTANT PROFESSOR CASTLE. (B 7)

Euripides: Rapid Reading Course for Graduates.
9:30

Spring Quarter.

PROFESSOR SHOREY.

Pindar, Olympian and Pythian Odes. DM. (21)

The Greek Drama (Seminar). (Continued.) DM.
(25)

PROFESSOR TARBELL.

Thucydides (Sicilian Expedition). DM. (10) 9:30**Greek Life from the Monuments.** DM. (14)

XII. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Summer Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. M. 1st Term. (40)
11:30

Problems in Latin Syntax. M. (40b) 1st Term.
Tuesdays, 3:00-5:00

PROFESSOR CHANDLER.

The Epistles of Horace. DM. (17) 9:30**The Georgics of Virgil.** M. 1st Term. (15) 8:30**Tibullus and Propertius.** M. 2d Term. (18) 8:30

PROFESSOR POST.

Selections from Martial. M. 1st Term. 10:30**Introduction to Latin Epigraphy.** M. 1st Term. 3:00*Autumn Quarter.*

HEAD PROFESSOR HALE.

Teachers' Training Course. DM. (33) 11:30

***Seminar 3: Comparative Syntax of the Greek**
and Latin Verb. DM. (36)
Tuesdays, 3:00-5:00

PROFESSOR CHANDLER.

Seneca. DM. (16) 8:30***Tacitus. (Seminar.)** (35) Wednesdays, 3:00-5:00*Winter Quarter.*

HEAD PROFESSOR HALE. (B 8 and 2)

Plautus. DM. (9) 11:30

***Seminar 3: Comparative Syntax of the Greek**
and Latin Verb. DM. (Continued.) (36)
Tuesdays, 3:00-5:00

PROFESSOR CHANDLER. (B 5 and 7)

Horace (Book II of Epistles) and Quintilian. DM. (13)
8:30

***Tacitus (Seminar).** (Continued.) (35)
Wednesdays, 3:00-5:00

Spring Quarter.

HEAD PROFESSOR HALE.

Catullus and Horace (Book I of Epistles). DM. (12)

***Seminar 3: Comparative Syntax of the Greek**
and Latin Verb. DM. (Continued.) (36)

PROFESSOR CHANDLER. (B 5 and 7)

Tacitus and Suetonius. DM. (18)***Tacitus (Seminar).** (Continued.) (35)

ASSISTANT PROFESSOR MILLER.

Historical Development of Roman Satire. DM. (24)

MR.——

Horace (Satires) and Persius. DM. (14)

XIII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Summer Quarter.

HEAD PROFESSOR KNAPP.

*Old French. DM. 9:30

*Spanish. Modern Drama. DM. 10:30

ASSISTANT PROFESSOR BERGERON.

French. Rapid Reading and Conversation. M
First Term. 10:30French. Elements of the Literature. M. Second
Term. 10:30*French. Literature of the 19th Century. DM. (14)
8:30

French. Advanced Syntax. DM. 9:30

MR. HOWLAND.

Spanish. Knapp's Grammar and Modern Readings.
DM. 9:30

Italian. Grandgent's Grammar. DM. 10:30

*Italian. Manzoni, I Promessi Sposi. DM. 11:30

Autumn Quarter.

ASSISTANT PROFESSOR BERGERON.

French. Advanced Syntax and Composition. DM.
(4) 9:30French. Rapid Reading and Conversation. DM.
(7) 10:30*French Literature of the 19th Century. DM. (10)
8:30

MR. HOWLAND.

*Old Spanish. Poema del Cid. DM. (20) 9:30

*Italian. Classic Prose. Machiavelli. DM. (31) 3:00

Italian. Grammar. Modern Readings. DM. (28)
11:30

DR. DE POYEN-BELLISLE.

*Historical French Grammar. DM. (13) 9:30

*Old French Texts. DM. (16) 10:30

*Old Provençal Texts. DM. (19) 11:30

*Old French Seminar.

Fortnightly, on Tuesdays, 4:00

MISS WALLACE.

Elementary Spanish. DM. (23) 10:30

Spanish. General survey of Spanish Literature.
Lectures and Texts. DM. (26) 9:30*Winter Quarter.*

ASSISTANT PROFESSOR BERGERON. (B 16)

*French. History of the Literature from the origin
to the 19th Century. DM. (8)

Monday and Saturday, 8:30-10:30

Prerequisite: Course 16.

*Old French Literature Seminar.

Fortnightly, on Tuesdays, 4:00

*French. Literature of the 19th Century. DM. (11)
8:30

Modern French Literature Seminar.

Fortnightly, on Mondays, 4:00

Elements of French Literature. DM. (14 a) 9:30
Prerequisite: Course 7.French. Rapid Reading and Conversation. DM.
(5) 10:30

Prerequisite: Course 4.

MR. HOWLAND. (B 12 and 13)

*Spanish. Classic and Modern Dramatists. DM.
(21) 9:30Italian. History of Italian Literature. Lectures
and Texts. DM. (29) 11:30*Italian. Dante, L'Inferno. DM. (32) 3:00
(Or Course 28 repeated.)

MR. _____.

Advanced French Syntax and Composition. DM.
(40)

Prerequisite: Entrance French II.

DR. DE POYEN-BELLISLE. (B 15)

*Historical French Grammar. DM. (14) 9:30

*Old French Texts. DM. (17) 10:30

*Old French Seminar.
Fortnightly, on Tuesdays, 4:00

MISS WALLACE.

Spanish. Knapp's Spanish Readings. Composition
DM. (24) 10:30

Spanish. Course 26 concluded. DM. (27) 9:30

Spanish. Course 23 repeated. DM. 8:30

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

*French. Course 8 (continued.) DM. (9)

French. Course 5 (continued.) DM. (6)

*French. Literature of the 19th Century. DM. (12)

MR. HOWLAND.

*Spanish. Don Quijote. DM. (22)

Italian. Course 29 (concluded.) DM. (30)

*Italian Philology. DM. (33)

DR. DE POYEN-BELLISLE.

*Historical French Grammar. DM. (15)

*Old French Texts. DM. (18)

MISS WALLACE.

Spanish Advanced Modern Reading. Pardo Bazán;
Pascual Lopez. DM. (25)

XIV. GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

***Germanic Club and Seminar:** Courses 1-19, inclusive, constitute the work of the first section of the Germanic Seminar; the second section, including candidates for the degree of Ph.D., other advanced students, and all instructors of the department, meets weekly on Monday from 3 to 5 P. M. for the reading and discussion of reports, reviews, and original papers upon subjects connected with the work of the first section.

Mondays, 3:00-5:00

Summer Quarter.

ASSOCIATE PROFESSOR CUTTING.

- *Gothic.** DM. (9) 3:00
Schiller's Wallenstein. DM. (22) 9:30

DR. VON KLENZE.

- *Middle High German.** DM. (5) 2:00

Autumn Quarter.

ASSOCIATE PROFESSOR CUTTING.

- *The Literary Coöperation of Goethe and Schiller.**
 DM. (1) 2:00

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

- *Introduction to Phonetics.** M. First Term. (13) 3:00
***Middle Low Franconian.** M. Second Term. (14) 3:00
***History of the German Language.** DM. (17) 4:00

DR. VON KLENZE.

- *Gothic.** DM. (5) 8:30
Schiller. DM. (21) 10:30
Goethe's Lyrical Poetry as an Exponent of his Life. DM. (26) 9:30

MR. MULFINGER.

- Heine's Prose and Poetry.** DM. (27) 8:30

Winter Quarter.

ASSOCIATE PROFESSOR CUTTING. (B 9 and 10)

- *German Prose Composition.** DM. (28) 9:30
The Literary Coöperation of Goethe and Schiller
 (continued). DM. (1) 2:00

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG. (B 9)

- *Old High German.** DM. (8) 2:00
***Old Norse.** DM. (16) 3:00
***Old Saxon.** DM. (18) 4:00

MR. DAHL.

Elementary Course in Norwegian (Danish). DM. 8:30

The principles of the language taught inductively by the use of modern texts. Incidentally helpful to students of English or Germanic philology.

Outline Course in Scandinavian Literature. DM. 10:30

Beginning with Old Norse this work includes a survey of the rise and development of the three distinct literatures, Danish, Norwegian, and Swedish. The importance of Old Norse mythology in connection with English and German literature renders this an object of special attention in this course. Lectures upon modern literary activity in Scandinavian countries, the reading and discussion of representative books of each epoch and reports upon assigned reading are elements of the work.

Spring Quarter.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

- *Middle High German.** DM. (8) 3:00
***Comparative Gothic Grammar.** DM. (15) 4:00

DR. VON KLENZE.

- *The Nibelungenlied.** DM. (4) 10:30 or 2:00
 For graduate students in departments other than Germanic.

Outline History of German Literature. DM. (23) 9:30

AUXILIARY COURSES.

Summer Quarter.

MR. MULFINGER.

- *Scientific Reading.** Subjects connected with Physical Sciences. DM. (36) 10:30

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

D 8-10.

Summer Quarter.

PROFESSOR L. A. SHEERMAN.

- Themes in Novel, Poem, and Drama.** M. 1st Term. (2) 2:00

ASSOCIATE PROFESSOR MCCLINTOCK.

- The Elements of Literature.** DM. (19) 9:30
***English Literary Criticism.** DM. (34) 10:30

ASSISTANT PROFESSOR BLACKBURN.

- Old English; Elementary Course.** DM. (14) 3:00
 { **Middle English.** M. (26) 2:00
 { **Studies in English Grammar.** M (39) 2:00

MR. HERRICK.

Daily Themes, a course of Advanced English Composition. DM. (7) 8:30

Autumn Quarter.

PROFESSOR WILKINSON. (D 16)

Blank Verse; Critical Study of Masterpieces in Rhymed Verse; with Production, for Criticism in class, of pieces in both kinds of verse. DM. (63) 8:30

Criticism of Criticism. M. 1st Term. (64) 9:30

History and Fiction. M. 2d Term. (8) 9:30

ASSOCIATE PROFESSOR BUTLER. (D 16)

English Essayists of the Nineteenth Century. DM. (59) 11:30

ASSOCIATE PROFESSOR MCCLINTOCK. (D 8)

*English Literature Seminar. The beginnings of the Romantic Movement of the Eighteenth Century; Studies in English Literature from 1725-1775. DM. (33) 4:00-6:00

The English Romantic Poets from 1780 to 1830. DM. (18) 10:30

ASSISTANT PROFESSOR BLACKBURN. (D 9)

*Old English; Advanced Course. Beowulf and the other secular poetry. DM. (27) 2:00

*English Language Seminar. Layamon's *Brut*, with special studies in Early Middle English. M. (28) Mondays, 2:00-4:00

Old English; Elementary Course. DM. (23) 3:00

ASSISTANT PROFESSOR CROW. (D 2)

The Prose of the Elizabethan Era. DM. (46) 2:00

*English Literature Seminar. The Works of Marlowe and Marlowe's Influence on Shakespeare. DM. (36) 10:30-12:30

ASSISTANT PROFESSOR TOLMAN. (D 9)

The Rise of the English Drama and its History to 1560. DM. (44) 9:30

MR. HERRICK. (D 1)

Advanced English Composition. 2DM. (5) 11:30

Seminar in Writing. (Appointments.) (8 A)

MR. TRIGGS. (D 9)

Nineteenth Century Literary Movements. Studies in Criticism, Poetry, the Novel and Essay with reference to modern Literary tendencies. DM. (38) 11:30

*The Poetry of Browning and Meredith. DM. (52) 8:30

Winter Quarter.

PROFESSOR MOULTON.

Spenser's "Faerie Queene." DM. (67) 10:30

ASSOCIATE PROFESSOR MCCLINTOCK. (D 8)

*Milton. DM. (17) 4:00-6:00

ASSISTANT PROFESSOR BLACKBURN. (D 9)

Old English (continued). Reading of Prose Selections. DM. (24) 3:00

*English Language Seminar. Studies in Early Middle English (continued).

ASSISTANT PROFESSOR CROW. (D 2)

History of the Drama in England from 1560 to 1642. DM. (47) 2:00

*English Literature Seminar. The Sonneteers before Shakespeare and Shakespeare's Sonnets. DM. (36) 10:30-12:30

ASSISTANT PROFESSOR TOLMAN. (D 9)

*Seminar: Studies in the Origins of Shakespeare's Plays. DM. (31)

Tuesdays and Fridays, 4:00-6:00

MR. HERRICK. (D 1)

Advanced English Composition. 2DM. (5) 3:00
Sec. a, continued.
Sec. b, beginning.

*Seminar in Writing. (Appointments.) (8 A)

MR. LEWIS. (D 7)

*The History of Rhetoric and Rhetorical Methods. DM. (54 B) 9:30

MR. LOVETT. (D 8)

Argumentative Composition. DM. (3) 8:30

MISS REYNOLDS. (D 8)

The Poetry of William Wordsworth. DM. (32) 9:30

MR. TRIGGS.

The Art School of English Poets. Studies in the æsthetic theories and artistic production of the nineteenth century. DM. (68) 11:30

*Nineteenth Century Literature. Browning and Tennyson: Religious Poems. DM. (52) 8:30

MRS. BRAINARD.

Critical Examination of the Text of Hamlet. DM. (66) 11:30

Spring Quarter.

PROFESSOR MOULTON.

Theory and Practice of Literary Interpretation. DM. (62) 10:30

ASSOCIATE PROFESSOR MCCLINTOCK.

- *The History of English Literary Criticism. DM. (34) 4:00-6:00
 The Elements of Literature. DM. (19) 10:30

ASSISTANT PROFESSOR BLACKBURN.

- Old English (continued). Reading of Poetical texts. DM. (25) 3:00
 The History of Old English Literature. Lectures and assigned reading. DM. (56)
 *English Language Seminar. Studies in Early Middle English (continued). M. (28)

ASSISTANT PROFESSOR CROW.

- The Sources of Shakespeare's Plays. DM. (40) 2:00
 *English Literature Seminar. Introduction to the study of the Life and Works of Shakespeare. DM. (36) 10:30-12:30

ASSISTANT PROFESSOR TOLMAN.

- The Works of Chaucer. DM. (45) 9:30

MR. HERRICK.

- Seminar in Writing. (Appointments.) (8 A)

MR. HERRICK AND MR. LEWIS.

- The History of Rhetoric and Rhetorical Methods (continued). DM. (54B)

MR. HERRICK AND MR. LOVETT.

- Development of English Prose Style. DM. (6) 3:00

MR. LOVETT AND MR. HILL.

- Oral Debates. DM. (4) Fridays 3:00

MISS REYNOLDS.

- The Beginnings of the Classical Movement in English Literature. DM. (48) 9:30

MR. TRIGGS.

- English Literature of the Nineteenth Century. Emerson, Thoreau, Lowell, and Whitman. DM. (22) 11:30
 English Literature of the Nineteenth Century: the Novel. DM. (49) 3:00

MR. CARPENTER.

- The Poetry of Spenser. DM. (35) 9:30

XVI. BIBLICAL LITERATURE IN ENGLISH.

A. OLD TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.

- Special Introduction to the Historical Books. DM. (28)

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

- The Minor Prophets. DM. (A 17) 4:00

Winter Quarter.

DR. KENT. (D 16)

- The Minor Prophets of the Assyrian Period. M. 1st Term. (18) 2:00

- Isaiah I-XXXIX. M. 2d Term. (12) 2:00

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

- Biblical Chronology. M. 1st Term. (37)

ASSOCIATE PROFESSOR HARPER.

- Palestinian Geography. M. 1st Term. (53)
 Assyrian and Babylonian Life. M. 2d Term. (85)

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

- The Second Group of the Epistles of the Apostle Paul. M. 2d Term. (B 15) 8:30

MR. VOTAW.

- The Gospel of John. M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.

- The Founding of the Christian Church. DM. (B 4) 11:30
 The Teaching of Jesus. DM. (B 21) 10:30

Winter Quarter.

ASSOCIATE PROFESSOR MATHEWS. (D 15)

- The Gospel of Matthew. DM. (B 7) 9:3

Spring Quarter.

MR. VOTAW.

- History of the New Testament Times. DM. (B 1) 10:30

XXVIII. ELOCUTION.

K Theatre.

Autumn Quarter.

MR. CLARK.

- Advanced Elocution. 3 hrs a week. M. (2)
 Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

- Reading Aloud. 3 hrs a week. M. (4)
 Monday, Wednesday, and Friday, 4:00
 Dramatic Reading. M. (5)
 Monday, Wednesday, and Friday, 3:00

THE OGDEN (GRADUATE) SCHOOL AND THE UNIVERSITY COLLEGE OF SCIENCE.

XVII. MATHEMATICS.

R 35-40.

Autumn Quarter.

The Mathematical Club and Seminar. The Club meets throughout the year, on alternate Saturdays at 4:30 P.M., in the Ryerson Physical Laboratory, room 35, for the review of memoirs and books, and for the presentation of the results of research. The club is conducted by the members of the Mathematical Faculty, and is open to all graduate students of Mathematics.

Summer Quarter.

PROFESSOR MOORE.

Theory of Functions of a Complex Variable. Based on Forsyth's *Theory of Functions*. DM. (22) 8:30

Prerequisite: A thorough knowledge of Differential and Integral Calculus.

Elliptic Functions. Based on Weber's *Elliptische Functionen und abgebratsche Zahlen*. DM. (26). 7:30

Prerequisite: Theory of Functions and Theory of Substitutions.

Special Seminar on Functions. Memoirs and problems relating to the theory of functions are assigned to the members of the Seminar for reading and investigation. On alternate Mondays. D $\frac{1}{2}$ M. (27) 7:30

DR. YOUNG.

Theory of Numbers. DM. (19) 9:30

The Elements of the Theory of Invariants with Applications to Higher Plane Curves. DM. (15) 10:30

Prerequisite: Determinants, and a thorough course in the Theory of Equations.

MR. SLAUGHT.

Determinants. M. 1st Term. (8) 9:30

MR. SMITH.

Differential and Integral Calculus. Advanced Course. DM. (7) 7:30

Plane Analytic Geometry. Advanced Course. DM. (6) 8:30

MR. HUTCHINSON.

Differential and Integral Calculus. First Course. M. 1st Term. (6 A) 1:45

PROFESSOR MOORE.

Projective Geometry. Based on Rey's *Geometrie der Lage*. DM. (14) 10:30

Elliptic Modular Functions. Based on Klein's *Elliptische Modulfunctionen* (vol. i). DM. (28). To be continued in the Spring Quarter. 11:30

Prerequisite: Theory of Functions and Elements of the Theory of Substitutions and of the Theory of the Icosahedron.

PROFESSOR BOLZA.

Introduction to the Theory of Quaternions. DM. (21) 9:30

Prerequisite: Analytic Geometry of Three Dimensions.

Theory of Functions of a Complex Variable. DM. (23) 11:30

Prerequisite: Differential and Integral Calculus.

ASSISTANT PROFESSOR MASCHKE.

Advanced Integral Calculus. To be continued through two quarters. First quarter. DM. (10) 9:30

Prerequisite: Differential Calculus and the elements of Integral Calculus.

Higher Plane Curves. DM. (16) 8:30

Prerequisite: Analytic Geometry and the elements of Theory of Invariants.

DR. BOYD.

Analytics and Calculus. To be continued through three quarters. First quarter: Casey's *Treatise on Conic Sections*. With fortnightly *Colloquium*. DM. (4) Section 4a 11:30
Section 4b 10:30

Winter Quarter.

PROFESSOR BOLZA. (R 38)

Analytic Geometry of Three Dimensions. DM. (12) 11:30

Prerequisite: Analytics and Calculus.

Theory of Substitutions. DM. (25) 9:30

Prerequisite: Theory of Equations.

ASSISTANT PROFESSOR MASCHKE. (R 35)

Weierstrass' Theory of Elliptic Functions. DM. (24)

Prerequisite: Elements of Theory of Functions. 10:30

Advanced Integral Calculus. To be continued through two quarters. Second quarter. DM. (10) 8:30
Prerequisite: Differential Calculus and the elements of Integral Calculus.

DR. YOUNG.

The Theory of Equations. Based on Burnside and Panton's *Theory of Equations*. To be continued through two quarters. First quarter. DM. (9) 9:30
Prerequisite: Analytic Geometry and the Differential Calculus.

The Theory of Numbers. DM. (20) 8:30

DR. BOYD. (R 36)

Analytics and Calculus. To be continued through three quarters. Second quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4)
Section 4a 11:30
Section 4b 10:30

DR. HANCOCK.

Calculus of Variations. Based on the developments of Weierstrass and of Schwarz. DM. (23 A) 3:00

Spring Quarter.

PROFESSOR MOORE.

Elliptic Modular Functions. DM. (28) 10:30
Continuation of course 28 of the Autumn Quarter.

Groups. This course, conducted by the lecture-seminar method, is a continuation of Courses 20 and 25. DM. (29) 11:30

ASSISTANT PROFESSOR MASCHKE.

Analytic Mechanics. DM. (13) 10:30
Prerequisite: Analytic Geometry and a thorough knowledge of Differential and Integral Calculus.

Algebraic Surfaces. DM. (17) 9:30
Prerequisite: Higher Plane Curves, and Analytic Geometry of Three Dimensions.

DR. YOUNG.

The Theory of Equations. Based on Burnside and Panton's *Theory of Equations*. To be continued through two quarters. Second quarter. DM. (9) 9:30
Prerequisite: Analytic Geometry and Differential Calculus.

Culture Calculus. Introduction to the Differential and Integral Calculus. This course is general and summary, and is intended to give to those who do not wish to study Mathematics further an idea of this important instrument of mathematical thought. DM. (5) 10:30
Prerequisite: *Required Mathematics*.

DR. BOYD.

Differential Equations. Based on Forsyth's *Differential Equations*. With fortnightly *Colloquium*. DM. (11) 8:30
Prerequisite: Advanced Integral Calculus.

Analytics and Calculus. To be continued through three quarters. Third quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4)

Section 4a 11:30
Section 4b 10:30

XVIII. ASTRONOMY.

R 35.

Summer Quarter.

DR. SEE.

***Gauss's Method of Determining Secular Perturbations, with Numerical Application to the Action of Neptune on Uranus.** DM. (25) 9:30

***Theory of the Attraction and Figures of the Heavenly Bodies.** DM. (26)
Prerequisite: Differential and Integral Calculus.

DR. LAVES.

General Astronomy. Introductory course. DM. (27) 11:30
Prerequisite: Algebra, Geometry, Trigonometry, and the elements of Physics.

***Determination of Latitude and Longitude, with practical work in the Observatory.** DM. (28) 7:30

DR. SEE AND DR. LAVES.

***Astronomical Seminar.** Practical courses in particular topics. (29) Alternate Saturdays at 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. DM. (1) 7:30 P.M.
Prerequisite: General Astronomy and Physics

Stellar Spectroscopy. DM. (3) 7:30 P.M.
Prerequisite: Solar Physics.

DR. SEE.

*Research Course in the Theory of Tides. DM. (30)

Elements of the Theory of Gravitation. DM. (31) 11:30

Prerequisite: Conic sections, Differential Calculus, and the Elements of Physics.

DR. LAVES.

*Partial Differential Equations. DM. (32) 11:30

Prerequisite: Differential and Integral Calculus and the Elements of Ordinary Differential Equations.

Spherical and Practical Astronomy. DM. (33) 10:30

Prerequisite: General Astronomy and Differential Calculus.

DR. SEE AND DR. LAVES.

*Astronomical Seminar. (34)
Alternate Saturdays at 3:00

Winter Quarter.

ASSOCIATE PROFESSOR HALE. (Kenwood Observatory)

Solar Physics. DM or DMM. (2) 2:00

Prerequisite: General Astronomy and Advanced Physics.

DR. SEE. (R 35)

*Research Course in the Theory of Tides. (35)

General Astronomy. DM. (36) 11:30

Prerequisite: Algebra, Trigonometry, and the Elements of Physics.

DR. LAVES. (R 35)

*Dynamics of a System. DM. (37) 2:00

Prerequisite: Differential and Integral Calculus, and Analytical Mechanics.

Spherical Astronomy. (Part II.) DM. (38) 3:00

Prerequisite: Differential and Integral Calculus, and General Astronomy.

DR. SEE AND DR. LAVES. (R 35)

*Astronomical Seminar. (39)
Fortnightly Saturdays at 3:00

Spring Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics (continued). DM. (2) 2:00

Prerequisite: General Astronomy and Advanced Physics.

Astro-Physical Research. (4)

DR. SEE.

*Research Course in the Theory of Secular Tidal Friction and in Cosmogony. DM. (40)

General Astronomy (continued). DM. (41)

DR. LAVES.

*Theory of a Rotating Body. DM. (42)

Prerequisite: Differential and Integral Calculus, and Analytical Mechanics.

*Special Perturbations. (43) DM.

Prerequisite: Differential and Integral Calculus, and Elements of the Theory of Orbits.

DR. SEE AND DR. LAVES.

*Astronomical Seminar. (44)
Alternate Saturdays at 3:00

XIX. PHYSICS.

R.

Summer Quarter.

HEAD PROFESSOR MICHELSON. (R 26)

*1. Research Course. DMM. (1)

*2. Graduate Course. 10 or 18 hrs. a week, 3DM or DMM. 11 30

Prerequisite: Advanced course in General Physics.

Autumn Quarter.

HEAD PROFESSOR MICHELSON. (R 26)

*Research Course. DMM. (1)

Monday-Friday, 2:00-6:00

*Special Graduate Course. DM or DMM. (2)

Lectures: Thursday-Friday, 11:30

Laboratory work, Monday-Friday, 2:00-6:00

Prerequisites: Advanced Course in General Physics.

Spectrum Analysis. M. (7)

Throughout Quarter, 11:30

ASSOCIATE PROFESSOR STRATTON. (R 29)

General Physics. (Advanced). $\frac{1}{2}$ DM. (3)

Lectures: Monday, Tuesday, Wednesday, 10:30

Prerequisites: Differential and Integral Calculus.

Laboratory Methods. DM. (11)

Thursday, Friday, Saturday, 9:30

ASSISTANT PROFESSOR WADSWORTH. (R 13)

General Physics. (Advanced). $\frac{1}{2}$ DM. (3)

Lectures: Thursday, Friday, Saturday, 10:30

Laboratory Practice. (Advanced). DM. (4)
Monday-Friday, 2:00-5:00
Design and Construction of Instruments of Precision. DM. (10)
Monday, Tuesday, Wednesday, 9:30

Winter Quarter.

HEAD PROFESSOR MICHELSON. (R 26)
* **Research Course.** DMM. (1)
Monday-Friday, 2:00-6:00.
* **Special Graduate Course.** DM. or DMM. (2)
Lectures: Thursday and Friday 11:30
Laboratory work: Monday-Friday, 2:00-6:00
Prerequisite: Advanced Course in General Physics.
Velocity of Light. M. (8) M. throughout Quarter.
11:30
General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Tuesday and Wednesday, 10:30.

ASSOCIATE PROFESSOR STRATTON. (R 29)
General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Tuesday and Thursday, 10:30

ASSISTANT PROFESSOR WADSWORTH. (R 13)
Design and Construction of Instruments of Precision. DM. (10)
Monday, Tuesday, Wednesday, 9:30
Theory of Heat. DM. (14)
Monday-Wednesday, 10:30
Laboratory Practice (Advanced). DM. (4)
Monday-Friday, 2:00-5:00
Prerequisite: Differential and Integral Calculus.

Spring Quarter.

HEAD PROFESSOR MICHELSON.
* **Research Course,** DMM. (1)
Monday-Friday, 2:00-6:00.
* **Special Graduate Course.** DM. or DMM. (2)
Lectures: Thursday and Friday, 11:30.
Laboratory work: Monday-Friday, 2:00-6:00.
Prerequisite: Advanced Course in General Physics.
Application of Interference Methods. M. (9) M.
or throughout Quarter 11:30.
General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Tuesday and Wednesday, 10:30

ASSOCIATE PROFESSOR STRATTON.
General Physics (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Tuesday, Thursday, 10:30
Prerequisites: Differential and Integral Calculus.

Laboratory Practice (Advanced). DM. (4)
Monday-Saturday, 2:00-5:00.
Electrical Measurements. DM. (13)
Monday-Saturday, 2:00-5:00
Prerequisite: General Physics (Advanced).

ASSISTANT PROFESSOR WADSWORTH.

Research Methods. DM. (12)
Monday-Thursday, 9:30
Theory of Reduction of Observations. DM. (15)
Monday-Friday.

XX. CHEMISTRY.

K.

Special fees will be charged to students taking Laboratory Courses in Chemistry as follows:
\$5.00 a quarter for a Double Minor Course.
\$10.00 a quarter for a Double Major Course.
In no case, however, will a student, taking several courses in Chemistry, be charged more than \$10.00 a quarter.

Summer Quarter.

PROFESSOR NEF.

Special Chapters of Organic Chemistry. $\frac{1}{2}$ M. 2d
Term. (25) Fridays and Saturdays, 11:30
* **Research Work for Ph.D. Thesis.** Organic
Chemistry. MM. Second Term. (20)

ASSISTANT PROFESSOR SCHNEIDER.

Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ DM.
(12) Thursdays and Fridays, 2:00
Prerequisite: General Chemistry.

Qualitative Analysis. Laboratory Work. DM
or DMM. (5)
Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM
or DMM. (7)
Prerequisite: Qualitative Analysis.

Advanced Inorganic Work. DM or DMM. (14)
Prerequisite: See Course (13), Autumn Quarter.

* **Research Work for Ph.D. Thesis.** Inorganic
Chemistry. DMM. (20)

DR. STIEGLITZ.

General Inorganic Chemistry. DMM. (2)
Mondays, Tuesdays, Wednesdays, and
Thursdays, 11:30
Mondays, Tuesdays, and Wednesdays, 2:00-5:00

***Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)**

Special Organic Preparations. DMM. (19b)

DR. CURTISS.

General Organic Chemistry. DMM. (10) 8:30

Prerequisites: General Chemistry and Qualitative Analysis.

Organic Preparations. DM or DMM. (19)

Prerequisites: See Course (18), Autumn Quarter.

Autumn Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (9)

Thursday, Friday, and Saturday, 11:30

Prerequisite: General Chemistry and Qualitative Analysis.

Organic Preparations: Laboratory Work. DM or DMM. (18)

Prerequisites: Qualitative and Quantitative Analysis, Mineralogy (for candidates for the degree of Ph.D.) and Organic Chemistry, (although it may be taken simultaneously in connection with lectures on Organic Chemistry). Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a Triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a Triple Major.

***Research Work for Ph.D. Thesis. Organic Chemistry. Laboratory work. DMM. (20)**

Journal Meetings. (21)

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. DM. (1)

First Term. Monday-Friday, 11:30

Second Term. Monday-Wednesday, 11:30

Laboratory. Monday and Tuesday, 2:00-5:00

Prerequisite: Academic College course in Physics, including laboratory work.

A continuous course through three Quarters.

General Chemistry. Chiefly laboratory work. M. (3) Second Term.

***Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)**

DR. LENGFELD.

Advanced Inorganic Chemistry. Lectures. $\frac{1}{2}$ DM. (11)

Prerequisite: Course (1), or equivalent.

Advanced Inorganic Preparations. DM or DMM. (13)

Prerequisites: Qualitative and Quantitative Analysis, Mineralogy, and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a Triple Minor; those intending to engage in Inorganic Research will be required to take the course as a Triple Major.

***Theoretical Chemistry. Lectures. $\frac{1}{2}$ DM. (15)**
Tuesday and Friday, 8:30

Prerequisites: Physics, General Organic and Inorganic Chemistry.

***Research Work for Ph.D. Thesis. Inorganic Chemistry. DMM. (20)**

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. DM or DMM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or DMM. (6)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)**

The Carbohydrates and Complex Hydrocarbons. $\frac{1}{2}$ DM. (23)
Monday and Thursday, 8:30
Prerequisite: Organic Chemistry.

DR. IKUTA.

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

Winter Quarter.

PROFESSOR NEF. (K 14)

Organic Chemistry (continued). DM. (9) 11:30

Organic Preparations. Laboratory Work. DM or DMM. (18)

Prerequisites: See Course (18), Autumn Quarter.

***Research Work for Ph.D. Thesis. Organic Chemistry. Laboratory Work. DMM. (20)**

Journal Meetings. (21)
Fridays, 4:30

ASSISTANT PROFESSOR SMITH. (K 20 and 36)

General Inorganic Chemistry (continued). DM. (1)
Monday, Tuesday, Wednesday, 11:30

Laboratory, Monday, and Tuesday, 2:00-5:00

General Chemistry (continued). Chiefly laboratory work. DM. (3) Same hours as Course (1)

***Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)**

DR. STIEGLITZ. (K 24)

Qualitative Analysis. Laboratory Work. DM or DMM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or DMM. (6)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

Elementary Spectrum Analysis. Chiefly laboratory work. $\frac{1}{2}$ DM. (8)

Prerequisite: General Chemistry.

Organic Nitrogen Derivatives. $\frac{1}{2}$ DM. (24)
Monday and Thursday, 8:30

Prerequisite: Organic Chemistry.

DR. LENGFELD. (K 25)

Advanced Inorganic Chemistry. $\frac{1}{2}$ DM. (11)

Lectures: Wednesday and Saturday, 8:30

Prerequisite: Course (1), or equivalent.

Advanced Inorganic Preparations. DM or DMM. (13)

Prerequisites: See Autumn Quarter.

Theoretical Chemistry (continued). $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30

Prerequisites: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

Physico-Chemical Methods. Laboratory work. $\frac{1}{2}$ DM. (22)

Prerequisite: Quantitative Analysis.

DR. CURTISS.

***History of Chemistry.** $\frac{1}{2}$ DM. (17)

Prerequisites: General and Organic Chemistry.

DR. IKUTA.

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

Spring Quarter.

PROFESSOR NEF.

Organic Chemistry (concluded). M. 1st Term. (9)
Thursday, Friday, Saturday, 11:30

Organic Preparations. Laboratory Work. DM or DMM. First Term. (18)

Prerequisites: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Organic Chemistry.** MM. (20) First Term.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry (concluded).

DM. (1) Monday, Tuesday, Wednesday, 11:30
Laboratory, Monday and Tuesday, 2:00-5:00

General Chemistry (continued). DM. (3)

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. LENGFELD.

Advanced Inorganic Chemistry. $\frac{1}{2}$ DM. (11)

Lectures: Wednesdays and Saturdays, 8:30

Prerequisites: Course (1) or equivalent.

Advanced Inorganic Preparations. DM or DMM. (13)

Prerequisites: See Autumn Quarter.

***Theoretical Chemistry (continued).** $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30

Prerequisites: See Autumn Quarter.

Gas Analysis. DM. (28)

Prerequisite: Quantitative Analysis.

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. DM or DMM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or DMM. (6)

Prerequisite: Qualitative Analysis.

Advanced Qualitative Spectrum Analysis. $\frac{1}{2}$ DM. (16)

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. CURTISS.

The Aromatic Series. $\frac{1}{2}$ DM. (26)

Mondays and Thursdays, 8:30

XXI. GEOLOGY.

W.

Summer Quarter.

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology. M or MM. (24)

Professional Geology. (28)

Independent Field Work. (29)

PROFESSOR SALISBURY.

Geographic Geology (at the University). MM.
1st Term. (9) 9:30-11:30

Prerequisites: Physiography, Elementary Geology, Elementary Physics, and Chemistry.

Field Geology. (Selected localities in the field, centering in 1894 about Devil's Lake, Wisconsin.)
2d Term. MM and M. (27)
Prerequisites: Course (9) or its equivalent.

Autumn Quarter.

HEAD PROFESSOR CHAMBERLIN.

Seminar. (26)

Principles and Working Methods of Geology.
DM or DMM. (23) 10:30
Prerequisites: Courses (9) and (11), or their equivalents; Mineralogy and Petrology.

Professional Geology. DM. (28)

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology. M or MM. (24)

Local Field Geology. (25)

PROFESSOR SALISBURY.

Geographic Geology. DM or DMM. (9) 11:30
Prerequisites: Physiography, Elementary Geology, Physics, and Chemistry.

Laboratory Work in Geographic Geology. (10)
Open to members of Course (9) only.

ASSOCIATE PROFESSOR IDDINGS.

Crystallography. M. 1st Term. (2) 9:30
Prerequisites: Physics and Inorganic Chemistry.

Physical Mineralogy. M. 2d Term. (3) 9:30
Prerequisite: Course (2).

Petrography. DM (or DMM). (6) 2:00
Prerequisites: Courses (2) and (3).

DR. QUEREAU.

Introduction to Palæontologic Geology. (17a)
Prerequisites: Zoölogy and General Geology.
Special Palæontologic Geology. DM or DMM. (19) 10:30

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN. (W)

Principles and Working Methods of Geology (continued). DM or DMM. (23) 10:30
Prerequisites: See Autumn Quarter.

Seminar. (26)

Professional Geology. DM or DMM. (28)

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY. (W)

Special Geology (continued). M or MM. (24)

PROFESSOR SALISBURY. (W)

Structural Geology and Continental Evolution
DM or DMM. (11) 11:30
Prerequisites: Course (9), Geology. Desirable antecedents: Elementary Mineralogy and Petrology.

General Geology. DM or DMM. (12) 9:30
Not open to Academic College students, except in cases of special fitness.

Dynamic Geography. 1 or more MM or M.
Prerequisites: Courses (9) and (11), or their equivalents.

ASSOCIATE PROFESSOR IDDINGS. (W)

Descriptive Mineralogy. DM. (4) 9:30
Prerequisites: Courses (2) and (3).

Petrography. DMM or DM. (6) 2:00
Prerequisites: Courses (2) and (3).

ASSOCIATE PROFESSOR PENROSE. (W)

Economic Geology. DM. (14) 8:30
Prerequisites: Courses (4) and (11); also Inorganic Chemistry and Physics.

Chemistry of Ore Deposits. DM. (15)
Prerequisite: Courses (5), (6), and (14); Geology

DR. QUEREAU. (W)

Palæontologic Geology. Palæozoic Life. DM or DMM. (18) 2:00
Prerequisite: Course (17a), Geology.

Special Palæontologic Geology. DM or DMM. (19) 10:30

Spring Quarter.

HEAD PROFESSOR CHAMBERLIN.

Seminar. (26)

Geologic Life Development. DM. (16) 10:30
Prerequisites: Zoölogy, Botany, Course 11 or 12, Geology.

Professional Geology. DM or DMM. (28)

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology (continued). M or MM. (24)

Local Field Geology (continued). (25)

ASSOCIATE PROFESSOR IDDINGS.

Descriptive Mineralogy. DM. (4) 9:30
Prerequisites: Courses (2) and (3).

Petrography. DMM or DM. (6) 11:30
Prerequisites: Courses (2) and (3).

Petrology. M or MM. (7)

DR. QUEREAU.

Palæontologic Geology. Mesozoic Life. DMM or DM. (18)

Special Palæontologic Geology. DM or DMM. (19)

XXII. ZOÖLOGY.**K.**

Special fees will be charged to students taking Laboratory Courses in Zoölogy, Anatomy and Histology, Physiology, and Neurology as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

*Summer Quarter.***HEAD PROFESSOR WHITMAN.**

Marine Biology at the Marine Biological Laboratory, Wood's Holl.

*Autumn Quarter.***HEAD PROFESSOR WHITMAN.**

***Embryology. Higher Invertebrates. Research.** DMM. (1) 4:00

Prerequisites: The introductory Courses in Embryology, Anatomy, and Histology.

***Seminar.** DM. (2) Bi-weekly.

DR. WHEELER.

Comparative Anatomy of the Vertebrates. DM or DMM. (9) Lectures and Laboratory Work. 9:30
Prerequisite: General Biology.

DR. JORDAN.

Special Bacteriology. DM or DMM. (12) 8:30
Prerequisites: General Biology, General Bacteriology.

DR. WATASÉ.

Anatomy and Physiology of the Cell. Research Course. DM. (6) 10:30

*Winter Quarter.***HEAD PROFESSOR WHITMAN. (K 32)**

***Embryology. Higher Invertebrates.** DMM. (3) 4:00

For prerequisites see Autumn Quarter.

***Seminar.** DM. (4) Bi-weekly.

DR. WHEELER. (K 37)

Comparative Anatomy of the Vertebrates (continued). DM or DMM. (10) Lectures and Laboratory Work. 9:30-12:30
For Prerequisites see Autumn Quarter.

DR. JORDAN. (K 13)

Special Bacteriology. DM or DMM. (14) 8:30
Prerequisites: General Biology, General Bacteriology.

DR. WATASÉ. (K 37)

Anatomy and Physiology of the Cell (continued). DM. (7) 10:30

*Spring Quarter.***HEAD PROFESSOR WHITMAN.**

***Embryology. Tectonics of the Vertebrate Embryo.** DMM. (5) 4:00

Prerequisites: The introductory courses in Morphology.

DR. WHEELER.

Vertebrate Embryology. DMM. (11) 9:30-12:30
Prerequisites: General Biology, Histology, and Comparative Anatomy of Vertebrates.

DR. JORDAN.

Special Bacteriology. DM or DMM. (16) 8:30
Prerequisites: General Biology, General Bacteriology.

General Bacteriology. DM. (17) 9:30

DR. WATASÉ.

Anatomy and Physiology of the Cell (continued). DM. (8)

XXIII. ANATOMY AND HISTOLOGY.**K 37.**

Laboratory Fees, see Department XXII.

*Summer Quarter.***MR. EYCOLESHYMER.**

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 1st Term. (1)

Elements of Histology. M. 2d Term. (2)

*Autumn Quarter.***MR. EYCOLESHYMER.**

Mammalian Anatomy. M. 1st Term. (1)
Wednesday and Thursday, 2:00-5:00

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 2d Term. (2)
Wednesday and Thursday, 2:00-5:00
Prerequisite: Course (1).

*Winter Quarter.***MR. EYCOLESHYMER.**

Elements of Histology. M. 1st Term. (3)
Prerequisite: Course (2).
Thursday and Friday, 2:00-5:00

Methods Employed in the Preparation of Animal Tissues for Histological Study (repeated). M. 2d Term. (2a) Thursday and Friday, 2:00-5:00
Mammalian Anatomy. DM. (4)
 Hours to be arranged.

Spring Quarter.

MR. EYCLESHYMER.

Comparative Histology. DM. (5)

Prerequisites: Courses (2 or 2a) and (4).

Methods Employed in the Preparation of Animal Tissues for Histological Study (repeated). M. 1st Term. (2b)

Elements of Histology (repeated). M. 2d Term. (3a)

XXIV. PHYSIOLOGY.

R.

Summer Quarter.

DR. LINGLE.

Physiology of Digestion, Secretion, and Metabolism. DM or DMM. (6) Lectures and Laboratory work.

Prerequisites: Courses (2) and (5).

Autumn Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigation in Physiology.** DMM. (1) 9:30

Advanced Physiology. DM or DMM. (2) 11:30

Physiology of the Sense Organs and the Peripheral and Central Nervous System. DM. (3) Mon., Wed., Fri., and Sat., 10:30

Winter Quarter.

ASSISTANT PROFESSOR LOEB. (R 34 and 38)

***Original Investigation in Physiology** (continued). DMM. (1) 9:30

Advanced Physiology. DM or DMM. (2) 2:00

Physiology of Circulation, Respiration, and Animal Heat. (4) Mon., Wed., Fri., and Sat., 10:30
 Prerequisite: Course (2).

DR. LINGLE. (R 36)

Physiology of Digestion, Secretion, and Metabolism. DM or DMM. (6)

Thursday, Friday, and Saturday, 2:00-5:00

General Laboratory Work. DM. (7)

Monday, Tuesday, and Wednesday, 2:00-5:00

Spring Quarter.

DR. LINGLE.

General Laboratory Work in Physiology. DM. (11) Monday, Wednesday, and Thursday, 2:00-5:00

Special Physiology of the Peripheral Nervous System. DM. (10)

XXV. NEUROLOGY.

K 14 and 42.

Summer Quarter.

PROFESSOR DONALDSON.

The Development of the Central Nervous System. DM. (5) Thursday, 8:30

Prerequisites: Histology and Embryology.

* Seminar. DM. (6) Friday, 8:30

Autumn Quarter.

DR. MEYER. (K 42)

The Architecture of the Central Nervous System. DM. (1) Wednesday, 9:00-11:00; 3:00-5:00

Prerequisite: General Histology.

Winter Quarter.

PROFESSOR DONALDSON. (K 14 and 42)

Anatomy of the Special Sense Organs. M. 1st Term. (2). Thursday, 8:30

Prerequisite: General Histology.

The Growth and Physical Characters of the Brain as related to the Intelligence. M. 2d Term. (3) Thursday, 8:30

Prerequisite: General Histology.

* Seminar. DM. (6) Friday, 8:30

Spring Quarter.

PROFESSOR DONALDSON. (K 14 and 42)

Doctrine of Localization of Function in the Cerebral Cortex. DM. (4) Thursday, 8:30

Prerequisites: Histology and Elementary Physiology.

* Seminar. DM. (6) Friday, 8:30

DR. MEYER. (K 14 and 42)

Twelve Lectures with demonstrations. M. (7) Friday, 3:00-5:00

An introduction to Comparative Anatomy of the Central Nervous System.

XXVI. PALÆONTOLOGY.

W 3d Floor.

Summer Quarter.

ASSISTANT PROFESSOR BAUR.

Palæontological Field Work. DM. (6)

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Seminar in Phylogeny. (M) (3) 3:00

* Research in the Osteology of Living and Extinct Vertebrates. DMM. (5)

Daily 8:30-12:30, 2:00-4:00

Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter.

ASSISTANT PROFESSOR BAUR.

* Comparative Osteology and Phylogeny of Vertebrates. M. (2) 2 hrs. a week. 11:30

Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

* Seminar in Phylogeny. M. (3) 3:00

* Research in the Osteology of Living and Extinct Vertebrates. DMM. (5).

Daily, 8:30-12:30, 2:00-4:00

For Prerequisites see Autumn Quarter.

Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates. In connection with course (2). (4) 2:00-4:00

Spring Quarter.

ASSISTANT PROFESSOR BAUR.

* Comparative Osteology and Phylogeny of Vertebrates (continued). M. (2) 2 hrs. a week. 11:30

* Seminar in Phylogeny. M (3) 3:00

Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates. (4)

* Research in the Osteology of Living and Extinct Vertebrates. DMM. (5) 8:30-12:30
2:00-4:00

XXVII. BOTANY.

W 3d Floor.

Summer Quarter.

MR. CLARKE.

Special Laboratory Work. MM or DM. (6)

Autumn Quarter.

PROFESSOR COULTER.

Plant Morphology. Lectures. $\frac{1}{2}$ DM. (1)

Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (4)

Saturdays, 10:30-12:30

MR. CLARKE.

Plant Evolution. Lectures and class Discussions. DM. (7) 8:30

Prerequisite: Elementary Botany in College or High School. Open to the Academic Colleges.

Winter Quarter.

PROFESSOR COULTER.

Plant Anatomy. Lectures. $\frac{1}{2}$ DM. (2)

Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (5)

Saturdays, 10:30-12:30

MR. CLARKE.

Plant Evolution (repeated). Lectures and Class Discussions. DM. (7) 8:30

Prerequisite: Elementary Botany in College or High School. Open to the Academic Colleges.

Spring Quarter.

PROFESSOR COULTER.

Plant Physiology. Lectures. $\frac{1}{2}$ DM. (3)

Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (6)

Saturdays, 10:30-12:30

NOTE: During other days of the week Laboratory Work will be assigned by Professor Coulter. Courses (1, 2 or 3) and (4-6) or (1-6) must be taken together. Eight hours' laboratory work will be, with the lectures, a DM; or eighteen hours a DMM. Primarily for Graduate Students; open also to the University Colleges.

XXVIII. ELOCUTION.

K Theatre.

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2).

Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

Reading Aloud. 3 hrs. a week. M. (4)

Monday, Wednesday, and Friday, 4:00

Dramatic Reading. M. (5)

Monday, Wednesday, and Friday, 3:00

THE ACADEMIC COLLEGES.

NOTE.—The following is a list of the titles of courses to be given in the Academic Colleges from July 1, 1894, to July 1, 1895. For full description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES. The number of each course in the REGISTER is indicated by the figure in parentheses following the title of the course.

REGISTRATION.—Students in residence must register for the Winter Quarter on or before December 1. The registration card will be filled out in consultation with the Dean. The Dean may be consulted at his Office Hours.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before January 2, 1895. Registration after this day may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

PROFESSOR A. C. MILLER AND MR. HILL.

Principles of Political Economy. DM. (1) 8:30.
Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter.

NOTE.—Either 1A or 1B is required of students who took Course 1 in the Autumn Quarter.

PROFESSOR A. C. MILLER. (C 3)

Advanced Political Economy. DM. (1A) 8:30

MR. HILL. (C 5)

Descriptive Political Economy. DM. (1B) 8:30

III. POLITICAL SCIENCE.

C. 1, 9, 10, 12.

Summer Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (71, repeated). 11:30

Autumn Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (71) 8:30

Winter Quarter.

MR. CONGER. (C 9)

Geography of Europe (repeated). DM. (71) 11:30

Geography of South and Central America. DM. (73) 2:00

Spring Quarter.

MR. CONGER.

Geography of Europe (repeated). DM. (71)

IV. HISTORY.

C 5-8.

Summer Quarter.

ASSOCIATE PROFESSOR THATCHER AND MR. CONGER.

The Mediæval Period. DM. (1) 8:30

MR. CONGER.

Geography of Europe. DM. (See Political Science, Course 71).

Autumn Quarter.

ASSOCIATE PROFESSOR THATCHER.

The Mediæval Period (repeated). DM. (1)
Section A. 11:30
Section C. 9:30

MR. CONGER.

The Mediæval Period (repeated). DM. (1)
Section B. 10:30

The Modern Period. DM. (2)
Section A. 2:00

MR. CATTERALL.

The Modern Period. DM. (2)
Section B. 11:30

MR. CONGER.

Geography of Europe. DM. (See Political Science, Course 71.) 8:30

Winter Quarter.

ASSOCIATE PROFESSOR THATCHER. (C 8)

The Mediæval Period (repeated). DM. (1)
Section A. 10:30

MR. CONGER. (C 8)

The Mediæval Period. DM. (1)
Section B. 8:30

The Modern Period (repeated). DM. (2)
Section A. 9:30

MR. CATTERALL. (C 7)**The Modern Period. DM. (2)**

Section B. 10:30

MR. CONGER. (C 9)**Geography of Europe (repeated). DM. 11:30**
(See Political Science, Course 71.)*Spring Quarter.***ASSOCIATE PROFESSOR THATCHER AND MR. CONGER.****The Mediæval Period (repeated). DM. (1)****MR. CONGER AND MR. CATTERALL.****The Modern Period (repeated). DM. (2) 8:30****MR. CONGER.****Geography of Europe (repeated). DM. (See Political Science, Course 71). 11:30**

NOTE.—Courses 1 and 2 are required of all students who intend to present themselves as candidates for the Bachelor's degree. They are accordingly repeated each Quarter.

XI. THE GREEK LANGUAGE AND LITERATURE.**B 2-8.***Summer Quarter.***MR. W. B. OWEN.****Xenophon. (Memorabilia); Plato (Apology and Crito). DMM. (2) 8:30 and 3:00****DR. HUSSEY.****Readings and Studies in the Odyssey. M. 2d Term. (10) 10:30****MR. HEIDEL.****Demosthenes as an Orator and a Man. M. 2d Term. (11) 11:30***Autumn Quarter.***PROFESSOR TARBELL.****Two Plays of Euripides. DM. (5) 9:30****ASSISTANT PROFESSOR CASTLE.****Xenophon (Memorabilia); Plato (Apology and Crito). DM. (2) 9:30****MR. W. B. OWEN.****Homer (Selections from the Odyssey). DM. (3) 10:30****Homer (Iliad, Books I-III). Review of Greek Grammar.**

Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek. DM. (1) 9:30

*Winter Quarter.***PROFESSOR SHOREY (WITH MR. OWEN). (B 2)****Homer (Iliad). DM. (18) 11:30****ASSISTANT PROFESSOR CASTLE. (B 7)****Xenophon (Memorabilia); Plato (Apology of Socrates). DM. (2) 10:30****MR. W. B. OWEN. (B 2)****Homer (Iliad, Books I-III). Review of Greek Grammar. DM. (1) 8:30**

Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.

*Spring Quarter. Revised.***ASSISTANT PROFESSOR CASTLE.****Lysias (Selected Orations) and Isocrates (Panegyricus). M. (4) 9:30**

Not open to students who take Course 2.

Attic Orators. DM. (17)**XII. THE LATIN LANGUAGE AND LITERATURE.****B 2-8.***Summer Quarter.***MR. C. H. MOORE.****Livy; the Writing of Latin. M. Second Term. (6) 9:30****Horace (Odes). M. Second Term. (7) 10:30****MR. WALKER.****Cicero (de Senectute); the Writing of Latin. M. First Term. (4) 9:30****Terence. M. First Term. (5) 10:30***Autumn Quarter.***ASSISTANT PROFESSOR MILLER.****Terence (Phormio); Tacitus (Germania and Agricola); the Writing of Latin. DM. (5a) 9:30****Horace (Odes); Wilkins' Primer of Roman Literature. DM. (6a) 10:30****MR. C. H. MOORE.****Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 1. DM. (4a) 8:30****MR. WALKER.****Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 2. DM. (4b) 9:30****Cicero (Orations). DM. (1) 8:30**

Winter Quarter.

ASSISTANT PROFESSOR MILLER. (B 6)

Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. Section 1. DM. (4c)
9:30Horace (Odes); Wilkins' Primer of Roman Lit-
erature. DM. (6b) 10:30

Prerequisite: Courses 4 and 5.

MR. C. H. MOORE. (B 6 and 8)

Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. Section 2. DM. (4d)
8:30Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 1. DM.
(5b) 9:30

Prerequisite: Course 4.

MR. WALKER. (B 7 and 8)

Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 2. DM.
(5c) 10:30

Prerequisite: Course 4.

Virgil (Æneid). DM. (2) 8:30

Prerequisite: Course 1.

Open only to students in the course in Science.

MR. GORDIS. (B 8)

Cicero (Letters). (Academic College elective
course.) DM. (7) 10:30Open to students who have completed the
required three majors in Latin.Courses 1, 2, and 3 (which are to be taken in
this order) are open only to students in the
course in Science, and are required of them.Courses 4, 5, and 6 (which are to be taken in
this order) are required of students in the
courses in Arts and Letters.The elective Courses 7 and 8 are open to stu-
dents who have completed Courses 4, 5, and 6.*Spring Quarter.*

MR. —

Cicero (the Tusculan Disputations). (Academic
College elective course.) DM. (8)

ASSISTANT PROFESSOR MILLER.

Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 1. DM.
(5d)

MR. C. H. MOORE.

Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. DM. (4e)Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 2. DM.
(5e)Horace (Odes); Wilkins' Primer of Roman Lit-
erature. Section 1. DM. (6c)

MR. WALKER.

Horace (Odes); Wilkins' Primer of Roman Lit-
erature. Section 2. DM. (6d)Selections from Ovid, Horace, Catullus, and Cicero's
Letters. DM. (3)

XIII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Summer Quarter.

MR. HOWLAND.

French. Chardenal's Grammar and Knapp's Read-
ings. DM. 8:30*Autumn Quarter.*

Elementary French. DM. (1) 11:30

MR. HOWLAND.

Elementary French. DM. (1) 10:30

MISS WALLACE.

Elementary Spanish. DM. (23) 10:30

Winter Quarter.

MR. HOWLAND. (B 12)

Elementary French (continued). DM. (2) 10:30

DR. DE POYEN-BELLISLE. (B 15)

Elementary French. DM. (1) 11:30

MISS WALLACE.

Spanish. Knapp's Spanish Readings; Composition.
DM. (24) 10:30

Spanish. Course 23 (repeated). DM. (23) 8:30

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

Elementary French (continued). DM. (3) 11:30

MR. HOWLAND.

Elementary French (continued). DM. (3) 10:30

DR. DE POYEN-BELLISLE.

Elementary French (continued). DM. (2) 11:30

MISS WALLACE.

Spanish Advanced Modern Reading. Pardo Bazán;
Pascual Lopez. DM. (25) 10:30

XIV. THE GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

*Summer Quarter.***ASSOCIATE PROFESSOR CUTTING.****German Lyrics. DM. (33) 10:30**

For students who have passed the entrance examination in German (2).

DR. VON KLENZE.**Elementary Course. DMM. (29) 8:30 and 11:30**

Required of all Academic College students who entered without German.

MR. MULFINGER.**Modern Prose. DM. (31) 2:00**

For students who have passed the entrance examination in German (1).

*Autumn Quarter.***ASSOCIATE PROFESSOR CUTTING.****Elementary Course. DMM. (29) 8:30 and 3:00**

For students who enter without German.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.**Modern Prose. DM. (31) 8:30**

For students who have passed the entrance examination in German (1).

MR. WOOD.**Intermediate Course. DM. (30) 9:30**

Prerequisite: Course (29) or its equivalent.

*Winter Quarter.***ASSOCIATE PROFESSOR CUTTING. (B 9)****Early Nineteenth Century Prose. DM. (34) 8:30**

For students who have passed the entrance examination in German (1) and (2).

Prerequisite: Course (31) or its equivalent.

MR. MULFINGER. (B 10)**Elementary Course. DMM. (29) 8:30 and 3:30**

For students who enter without German.

Intermediate Course. DM. (30) 11:30

Prerequisite: Course (29) or its equivalent.

*Spring Quarter.***ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.****Outline Study of Goethe's Works. DM. (35) 10:30**

For students who have passed the entrance examination in German (2).

DR. VON KLENZE.**Intermediate Course. DM. (30) 8:30**

Prerequisite: Course (29) or its equivalent.

MR. WOOD.**Elementary Course. DMM. (29) 8:30 and 11:30**

For students who enter without German.

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

D 8-10.

*Summer Quarter.***PROFESSOR L. A. SHERMAN.****Studies in the Interpretation of Shakespeare. DM. (1)**

(1)

MR. HERRICK.**Rhetoric and English Composition. DM. (1)**

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. 2:00.

Daily Themes. DM. (7)**MR. LOVETT.****English Literature.** A course in the study of Masterpieces: Shakespeare, Milton, Addison, Swift, Scott, Browning, Tennyson. 2 MM. First and Second Terms. (10)*Autumn Quarter.***ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.****English Literature. DM. (10)**

Prerequisite: Course (1 A).

Required of all Academic College students.

Section a, 10:30

Section b, 2:00

MESSRS. HERRICK, LOVETT, AND LEWIS.**Rhetoric and English Composition. DM. (1)**

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1 A) Class-room instruction, short themes, and exercises for one Quarter.

Section a, 10:30

Section b, 11:30

Section c, 2:00

(1 C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges. Consultation Wednesdays, 1:30.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Students who elect Course 2 are excused from Course 1C.]

MR. LOVETT.

English Composition. DM. (2) 8:30
Prerequisites: Course (1 A) and (1 B).
[Students who elect Course 2 are excused from 1 C.]

*Winter Quarter.***ASSOCIATE PROFESSOR MCCLINTOCK.**

Shakespeare; the Interpretation of Representative Plays. DM. (42) 10:30
Prerequisite: Course (10).

ASSISTANT PROFESSOR BLACKBURN.

History of the English Language. DM. (55) 2:00
Prerequisite: Course (10).

ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.

English Literature. DM. (10, repeated).
Section a. 8:30
Section b. 9:30
Required of all Academic College students.
Prerequisite: Course (1 A).

MESSESS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)
Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.
(1 A) Class-room instruction, short themes and exercises for one Quarter. 3:00
(1B) Themes to follow (1A) for two Quarters. Attendance at consultation hours required: Tuesdays, 1:30

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. Thursdays, 1:30. [Students who elect Course 2 are excused from Course 1 C.]

*Spring Quarter.***ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.**

English Literature. DM. (10, repeated). 10:30
Required of all Academic College students.
Prerequisite: Course (1 A).

MESSESS. HERRICK, LOVETT, AND LEWIS.

Rhetoric and English Composition. DM. (1)

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. 2:00.

(1B), continued. Themes to follow (1A) for two Quarters. Attendance at consultation hours required. Tuesdays, 1:30 and 4:00.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. Thursdays, 1:30. [Students who elect Course 2 are excused from Course 1 C.]

MR. LEWIS.

English Composition. DM. (2, repeated). 8:30
Prerequisites: Course (1 A) and (1 B).
[Students who elect Course 2 are excused from Course 1C.]

XVI. BIBLICAL LITERATURE IN ENGLISH.**A. OLD TESTAMENT.***Summer Quarter.***ASSOCIATE PROFESSOR PRICE.**

Special Introduction to the Historical Books. DM. (28)

*Autumn Quarter.***DR. KENT.**

Outline of Hebrew History. DM. (A29) 11:30

*Winter Quarter.***DR. KENT. (D 16)**

The Minor Prophets of the Assyrian Period. M. 1st Term. (18) 2:00

Isaiah I-XXXIX. M. 2d Term. (12) 2:00

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Biblical Chronology. M. 1st Term. (37)

ASSOCIATE PROFESSOR HARPER.

Palestinian Geography. M. 1st Term. (53)

Assyrian and Babylonian Life. M. 2d Term. (85)

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Epistles of the Apostle Paul. M. 2d Term. (B 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.

The Founding of the Christian Church. DM. (B 4) 11:30

Winter Quarter.

ASSOCIATE PROFESSOR MATHEWS. (D 15)

The Gospel of Matthew. DM. (B 7) 9:30

Spring Quarter.

MR. VOTAW.

History of the New Testament Times. DM. (B 1) 10:30

XVII. MATHEMATICS.

R 35-40 and C

Summer Quarter.

MR. SLAUGHT.

Plane Trigonometry. 1st Term. M. (3) 7:30

MR. SMITH.

Plane Analytic Geometry. Advanced course. DM. (6) 8:30

MR. HUTCHINSON.

Differential and Integral Calculus. First Course. 1st Term. M. (6 A) 1:45

Autumn Quarter.

Required Mathematics.

Two consecutive double minors of mathematics are required of every student in the first year of residence. The subjects are, in order: *Plane trigonometry, the elements of the analytic geometry of the conic sections, and the elementary theory of finite and infinite algebraic and trigonometric series.*

This course will be given in 1894-95 in seven sections: Course 1, sections 1a, 1b, 1c, 1d, during the Autumn and Winter Quarters; Course 2, sections 2a, 2b, 2c, during the Winter and Spring Quarters.

Students wishing to study Chemistry or Physics or to elect *Culture Calculus* (Course 5) should enter section 1a, 1b, 1c, or 1d.

If students are allowed to matriculate with entrance conditions in mathematics, they are expected to remove these conditions at the next regular entrance examination, and, until this has been done, they may not take the required college mathematics.

The classes in Required Mathematics meet in *Cobb Lecture Hall*, in rooms advertised from quarter to quarter on the general bulletin boards in *Cobb Lecture Hall* and on the departmental bulletin board in R 37.

Academic College Electives in Mathematics.

Courses (5), *Culture Calculus* (Double Minor, Spring Quarter) and (4) *Analytics and Calculus* (three consecutive Double Minors). Students intending to specialize in Mathematics, in Astronomy, or in Physics should arrange their work so as to take *Analytics and Calculus* in their second year of residence.

DR. BOYD.

Analytics and Calculus. DM. (4)

Academic College Elective. To be continued through three quarters. First quarter: Casey's *Treatise on Conic Sections*. With fortnightly *Colloquium*.

Section 4a. 11:30

Section 4b. 10:30

Required Mathematics. Section 1a; first quarter. DM. (1a) 8:30

DR. HANCOCK.

Required Mathematics. Section 1b; first quarter. DM. (1b) 9:30

Required Mathematics. Section 1c; first quarter. DM. (1c) 10:30

MR. DICKSON.

Required Mathematics. Section 1d; first quarter. (1d) 11:30

Winter Quarter.

DR. BOYD.

Analytics and Calculus. Academic College Elective. To be continued through three quarters. Second quarter: Greenhill's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4)

Section 4a. 11:30

Section 4b. 10:30

Required Mathematics. Section 1a; second quarter. DM. (1a) 8:30

DR. HANCOCK.

Required Mathematics. Section 1b; second quarter. DM. (1b) 9:30

Required Mathematics. Section 1c; second quarter. DM. (1c) 10:30

MR. SMITH.

Required Mathematics. Section 1d; second quarter. DM. (1d) 11:30

MR. GILLESPIE.

Required Mathematics. Section 2a; first quarter. DM. (2a) 8:30

MR. SLAUGHT.

Required Mathematics. Section 2b; first quarter. DM. (2b) 11:30

MR. BROWN.

Required Mathematics. Section 2c; first quarter. DM. (2c) 2:00

*Spring Quarter.***DR. YOUNG.**

Culture Calculus: Introduction to the Differential and Integral Calculus. This *Academic College Elective* is general and summary, and is intended to give to those who do not wish to study Mathematics further an idea of this important instrument of mathematical thought. DM. (5) 10:30
Prerequisite: *Required Mathematics.*

DR. BOYD.

Analytics and Calculus. *Academic College Elective.* To be continued through three quarters. Third quarter: Greenhill's *Differential and Integral Calculus.* With fortnightly *Colloquium.* DM. (4)

Section 4a. 11:30
Section 4b. 10:30

DR. HANCOCK.

Required Mathematics. Section 2a; second quarter. DM. (2a) 8:30

Required Mathematics. Section 2c; second quarter. DM. (2b) 9:30

MR. ROTHROCK.

Required Mathematics. Section 2b; second quarter. DM. (2c) 11:30

XIX. PHYSICS.**R.***Summer Quarter.***ASSOCIATE PROFESSOR STRATTON.**

General Physics. 5 hrs. a week. DM. (5) 8:30
Prerequisite: Plane Trigonometry.

MR. HOBBS.

Laboratory Practice. 10 hrs. a week. DM. 2:00
Prerequisite: First Quarter of (5).

*Winter Quarter.***ASSOCIATE PROFESSOR STRATTON.**

General Physics. DM. (5)

Lectures, Tuesday-Saturday, 9:30

Prerequisite: Plane Trigonometry.

ASSISTANT PROFESSOR WADSWORTH.

Laboratory Practice. (General). DM. (6)

Tuesday-Saturday, 10:30-12:30

Prerequisite: First Quarter of (5)

*Spring Quarter.***ASSOCIATE PROFESSOR STRATTON.**

General Physics. DM. (5)

Tuesday-Saturday, 9:30

Prerequisite: Plane Trigonometry.

ASSISTANT PROFESSOR WADSWORTH.

Laboratory Practice. (General). DM. (6)

10:30-12:30

Prerequisite: First Quarter of (5).

XX. CHEMISTRY.**K.**

Laboratory Fees, see (Ogden) Graduate School.

*Summer Quarter.***DR. STIEGLITZ.**

General Inorganic Chemistry. DMM. (2) Monday-Thursday at 11:30. Laboratory work Monday, Tuesday, and Wednesday, 2:00-5:00.

Prerequisite: Academic College course in Physics, including laboratory work.

*Autumn Quarter.***ASSISTANT PROFESSOR SMITH.**

General Inorganic Chemistry. Introductory course. DM. (1) First Term, Monday, Tuesday, Wednesday, Thursday, and Friday, 11:30. Second Term, Monday, Tuesday, and Wednesday, 11:30; Laboratory, Monday and Tuesday, 2:00-5:00.

Prerequisite: See Course 2, Summer Quarter. A continuous course through three quarters.

General Chemistry. Chiefly laboratory work. M. (3) Second Term.

Monday and Tuesday, 2:00-5:00

*Winter Quarter.***ASSISTANT PROFESSOR SMITH.**

General Inorganic Chemistry. Introductory course. DM. (1 continued) Monday, Tuesday, and

Wednesday, at 11:30, and Laboratory, Monday and Tuesday, 2:00-5:00.

Prerequisite: Course 1 in First Quarter.

General Chemistry. Chiefly laboratory work. DM. (3)

Spring Quarter Revised.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. Introductory course. DM. (1 continued) 11:30 and 2:00-5:00

Prerequisite: Course 1 in First and Second Quarters.

General Chemistry. Chiefly laboratory work. DM. (3)

XXI. GEOLOGY.

W.

Autumn Quarter.

PROFESSOR SALISBURY.

Physiography. DM. (1) 9:30

Winter Quarter.

MR. KÜMMEL.
Physiography. DM. (1, repeated). 9:30

XXII. ZOÖLOGY.

K.

Laboratory Fees, see Ogden (Graduate) School.

Summer Quarter.

DR. JORDAN.
General Biology. DM. (19) 9:30
Prerequisites: Elementary Chemistry and Physics.

Autumn Quarter.

DR. JORDAN.
General Biology. DM. (13) 9:30
Prerequisites: Elementary Chemistry and Physics.
Laboratory work, 2:00-5:00.

Winter Quarter.

DR. JORDAN. (K 14)
General Biology (continued). DM. (15) 9:30
Prerequisites: Elementary Chemistry and Physics.
Laboratory work, 2:00-5:00.

XXIV. PHYSIOLOGY.

S.

Summer Quarter.

DR. LINGLE.
Introductory Physiology. DM. (5)

Autumn Quarter.

DR. LINGLE.
Introductory Physiology (repeated). DM. (5) 2:00

XXVI. PALÆONTOLOGY.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.

M. 2 hrs. a week. (1) 11:30

Prerequisite: Elementary Zoölogy.

XXVII. BOTANY.

Summer Quarter.

MR. CLARKE.
Elementary Practical Botany. DM, MM, or DMM. (7)

Spring Quarter.

MR. CLARKE.
Elementary Practical Botany (repeated). DM. (7)
Lectures 2 hours, Laboratory 6 hours a week.
Four sessions a week, 8:30-10:30

XXVIII. ELOCUTION.

Autumn Quarter.

MR. CLARK.
Theory and Practice. One hour a week during the year. 6 sections. Required of students in 2d year of Academic College. (1)

Monday and Saturday, 8:30, 9:30, and 10:30

Advanced Elocution. 3 hrs. a week. M. (2) Open to the University Colleges and to students who have completed elsewhere work equivalent to Course 1.

Tuesday, Wednesday, and Friday 11:30

Winter Quarter.

MR. CLARK.
Theory and Practice (continued). 6 sections. One hour a week. (1)

Monday and Saturday, 8:30, 9:30, 10:30.

A new section will be formed meeting at 11:30 Monday, for those who have not yet begun Course 1.

See Autumn Quarter.

Original Oratoric Composition and Extemporaneous Speech. M. 1st Term. (3) 11:30
Prerequisites: 1 and 2.

Spring Quarter.

MR. CLARK.

Theory and Practice (continued). 6 sections. One hour a week. (1)

See Autumn Quarter.

Reading Aloud. M. (4) 3 hours a week.
Monday, Wednesday, and Friday 4:00

Dramatic Reading. M. (5)
Monday, Wednesday, and Friday 3:00

XXIX. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all undergraduate students not excused on account of physical disability, during four half-hours a week. Six Quarters' work in Physical Culture is required

of Academic College students and four Quarters of University College students. Students taking an excessive number of cuts will not be allowed to continue their University work until they shall conform to the requirements. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it receive work which tends to symmetrical development.

Students will select their period for class work from the following: Men—8:45, 9:45, 10:45, 11:45 A.M.; 5:15 P.M. Women—9:45 A.M., 11:45 A.M., 3:15 P.M., and 4:15 P.M. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday, and Friday of each week. Bulletins containing appointments for physical examination and departmental communications will be posted.

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

JULY 1, 1894, TO JULY 1, 1895.

NOTE.—The following is a list of the titles of courses to be given in the Divinity School from July 1, 1894, to July 1, 1895.

For a complete description of the courses consult the **ANNUAL REGISTER**, the **DIVINITY SCHOOL CIRCULAR OF INFORMATION**, and the **DEPARTMENT PROGRAMMES**. The number of each course in the **REGISTER** is indicated by the number in parentheses following the title of the course.

The hour of the exercise is indicated after the course. In case no hour is indicated it will be arranged when the class is formed. The days on which exercises are held will be designated by the instructor.

ABBREVIATIONS.—A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the description of the courses are: **M**—Minor, **DM**—Double Minor, **MM**—Major, **DMM**—Double Major

REGISTRATION.—Students in residence must register for the Winter Quarter on or before December 1; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done; (3) deposit the same in the office of the Dean, and (4) receive from the Dean a class-ticket.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before January 2, 1895. Registration after this date may be secured only (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

THE GRADUATE DIVINITY SCHOOL.

XLI. OLD TESTAMENT LITERATURE AND INTERPRETATION.

D. 12-16.

Departments XLI and VIII are identical. The courses offered in XLI are the same as those in VIII.

Summer Quarter.

HEAD PROFESSOR HARPER.

- Book of Hosea.** DM. (24) 7:30
The Arabic Language. The Earlier Suras. M. 1st Term. (86) 10:30
Advanced Hebrew Grammar. M. 2d Term. (94) 9:30

PROFESSOR BURNHAM.

- Advanced Hebrew Grammar—Syntax.** M. 1st Term. (96) 9:30
The Psalter. M. 1st Term. (22a) 10:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

- Hebrew Language.** MM. 2d Term. (3) 8:30

ASSOCIATE PROFESSOR PRICE.

- Hebrew Language.** MM. 1st Term. (2) 8:30 and 11:30
Deuteronomy, and Hebrew Syntax. M. 1st Term. (9) 9:30

ASSOCIATE PROFESSOR GOODSPEED.

- Relations of Hebrew, Assyrian, and Egyptian History.** DM. (36) 3:00

ASSOCIATE PROFESSOR HARPER.

- Early Assyrian Historical Inscriptions.** M. 1st Term. (73) 9:30
Assyrian Language. M. 1st Term. (71) 10:30
Assyrian Language. MM. 2d Term. 2:00-4:00
The Book of Proverbs. M. 2d Term. (27) 9:30
Micah. M. 1st Term. (21) 10:30

DR. CRANDALL.

- Historical Hebrew.** M. 2d Term. (5) 9:30

Autumn Quarter.

HEAD PROFESSOR HARPER.

- Books of Joel, Amos, Obadiah, and Jonah.** DM. (42) 7:30
Earlier Suras of the Kuran. DM. (87) 8:30
Semitic Seminar. DM. (102) Wednesday, 2:00-4:00

PROFESSOR HIRSCH.

- General Introduction to Rabbinical Literature.** M. 1st Term. (55) 2:00
Mishnah. M. 2d Term. (56) 2:00

ASSOCIATE PROFESSOR PRICE.

- Special Introduction to Prophetic Books.** DM. (38) Tuesday and Thursday 2:00-4:00
The Book of Kings (Sight reading). Mondays and Wednesdays 2:00-4:00

ASSOCIATE PROFESSOR GOODSPEED.

- Beginnings of Hebrew History.** DM. (30) 2:00
History of Antiquity to the Persian Empire. DM. (34) 4:00
Earliest Historical Religions. DM. (49) 3:00

ASSOCIATE PROFESSOR HARPER.

- Beginners' Syriac.** DM. (68) 2:00
Assyrian Language. DM. (72) 3:00
Later Historical Inscriptions. DM. (74) 4:00

DR. CRANDALL.

- Books of Chronicles.** 11:30

DR. KENT.

- Outline of Hebrew History.** DM. (29) 11:30

Winter Quarter.

HEAD PROFESSOR HARPER. (D 15)

- Early Old Testament Traditions.** DM. (47) 7:30
Arabic History, Geography, and Commentary. DM. (91) 8:30
Semitic Seminar. DM. (102) Wednesday, 2:00-4:00

PROFESSOR HIRSCH. (D 13)

- Talmud.** M. 1st Term. (57) 2:00
Selected Readings from Arabic Authors, using Dieterici's *Abhandlungen der Ichwān es Safā* (Leipzig, 1884-86).

ASSOCIATE PROFESSOR PRICE. (D 15)

- Special Introduction to Hebrew Poetry and Poetical Books.** M. 1st Term. (41) 2:00
Messianic Prophecy. DM. (40) 3:00
Biblical Aramaic. M. 2d Term. (66) 2:00
Hebrew Lexicography. (Seminar.) DM. (96) Time to be arranged.

ASSOCIATE PROFESSOR GOODSPEED. (D 16)

- History of the Hebrew Monarchy.** DM. (32) 2:00
History of the Hebrew Religion. DM. (50) 3:00

ASSOCIATE PROFESSOR HARPER. (D 13)

- Advanced Syriac.** DM. (69) 9:30
Selected Assyrian Historical Inscriptions. DM. (75) 10:30

DR. CRANDALL. (D 16)

- Deuteronomy** (Sight reading). 1st Term. $\frac{1}{2}$ M. (8) 8:30
Jeremiah (Sight reading). 2d Term. $\frac{1}{2}$ M. (14) 8:30

Spring Quarter.

HEAD PROFESSOR HARPER.

- Old Testament Institutions and Laws.** DM. (48) 7:30
Semitic Seminar. DM. (102) Tuesday, 7:30-9:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

- Beginning Hebrew.** MM. 1st Term. (1) 8:30 and 2:00
Books of Samuel. MM. 2d Term. (4) 8:30 and 2:00

PROFESSOR HIRSCH.

- Targum.** 1st Term. M. (67) 2:00
Talmud (Jerusalemic). DM. (59) 3:00
Syriac Authors. DM. (70) 4:00
Coptic. M. (113) 2:00
Arabic: Thousand and One Nights. DM. (90) 2:00
Advanced Ethiopic. M. (101) 3:00

ASSOCIATE PROFESSOR PRICE.

- The Psalter.** DM. (26) 3:00
History, Principles, and Methods of Old Testament Interpretation. (Seminar.) DM. (46) Time to be arranged.

ASSOCIATE PROFESSOR GOODSPEED.

- Exilic and Post-Exilic History of Israel.** DM. (33) 2:00
History of Ancient Egypt. M. 1st Term. (35) 4:00
Islam. DM. (92) 3:00
The History of Babylonia and Assyria. M. 2d Term. (35) 4:00

ASSOCIATE PROFESSOR HARPER.

- Mesopotamian Life.** M. 1st Term. (54) 2:00
Mesopotamian Geography. M. 2d Term. (53) 2:00
Assyrian Letters. DM. (78) 3:00

DR. KENT.

- Books of Kings.** M. 1st Term. (6) 10:30
Isaiah i-xxxix. M. 2d Term. (11) 10:30

MR. BREASTED.

- Elementary Egyptian.** DM. (106)
Religious Egyptian Texts. DM. (112)

XLII. NEW TESTAMENT LITERATURE AND INTERPRETATION.

D 12.

The Departments XLII and IX are identical. The courses offered in XLII are the same as those in IX.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. 2d Term. (31)
9:30

DR. ARNOLT.

New Testament Syntax: Noun, Pronoun, and
Prepositions. M. 2d Term. (3) 7:30

Paul's Epistles to the Thessalonians. M. 2d
Term. (30) 8:30

New Testament Quotations from the Old Testa-
ment. Part II. The Epistles. M. 1st Term.
(41) 7:30

Prerequisites: Courses 1 (or 2), 25 (or 27)
and a knowledge of Hebrew.

Autumn Quarter.

HEAD PROFESSOR BURTON.

†Life of Paul and Introduction to Pauline Epistles.
DM. (20) 9:30

Prerequisite: Course 1 or 2.

ASSOCIATE PROFESSOR MATHEWS.

†History of New Testament Times in Palestine.
DM. (10) 9:30-11:30

DR. ARNOLT.

Josephus. M. 1st Term. (49) 8:30

Winter Quarter.

HEAD PROFESSOR BURTON. (D 15)

†New Testament Greek. DM. (1) 11:30

Epistle to the Romans. DM. (33) 10:30

Prerequisites: Courses 1 (or 2), 25 (or 27), and 20.

ASSOCIATE PROFESSOR MATHEWS. (D 15)

†Gospel of Luke: a Study in Historical Criticism
and Interpretation. A Seminar. DM. (27) 4:00

The Formation of the New Testament Canon and
its History in the Ante-Nicene Period. DM.
(57) 10:30

DR. ARNOLT. (D 16)

Septuagint. Rapid reading of selected portions.
DM. (44) 8:30

Textual Criticism of the New Testament. DM. (8)
9:30

Spring Quarter.

HEAD PROFESSOR BURTON.

Introduction to the Synoptic Gospels. M. (18)
See also under XLIII.

ASSOCIATE PROFESSOR MATHEWS.

Historical Study of the Life of Christ. DM. (12)
See also under XLIII.

DR. ARNOLT.

Christian Literature to Eusebius. DM. (55)

Introduction to the Epistle to the Hebrews, the
General Epistles, and the Revelation. DM. (21)

MR. VOTAW.

†Rapid Translation and Interpretation of Paul's
Epistles. DM. (4)

†Students in the Graduate Divinity School are required to
take Courses 1 (or 2) and 10 in the first year, and in addition one
of the following: 4, 20, 27, 13 (History of the Apostolic Church,
Professor Mathews), and 25 (Gospel of Matthew, Head Professor
Burton) within the first two years.

XLIII. BIBLICAL THEOLOGY.

D 11-16.

A. OLD TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets. DM. (A. 24) 7:30

ASSOCIATE PROFESSOR PRICE. (D 15)

Special Introduction to the Prophetic Books. DM.
(A. 38) 3:00

Winter Quarter.

HEAD PROFESSOR HARPER. (D 15)

Form and Contents of Early Old Testament Tradi-
tions. DM. (A. 47) 7:30

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. DM. (A. 40) 3:00

Spring Quarter.

HEAD PROFESSOR HARPER.

Old Testament Institutions and Laws. DM. (A. 48)
7:30

B. NEW TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. A Seminar.
DM. (B. 1) 10:30

Prerequisites: XLII. 1 or 2; and 25 or 27.

*Spring Quarter.***HEAD PROFESSOR BURTON.**

Theology of the Epistle to the Romans. A Seminar. MM. 1st Term. (B. 6)

Prerequisite: XLII. 33.

ASSOCIATE PROFESSOR MATHEWS.

Sociological Ideas of the Gospels Exegetically Investigated. A Seminar. DM. (B. 3)

Prerequisites: XLII. 1 or 2; and 25 or 27.

XLIV. SYSTEMATIC THEOLOGY.

D 2-7.

*Winter Quarter.***HEAD PROFESSOR NORTHRUP. (D 2)**

Soteriology. DM. (4) 11:30

Prerequisites: Theology Proper and Anthropology.

Required of students who have been two years in the School.

Seminar in Christology. DMM. (8a)

Tuesdays and Thursdays, 3:00-5:00

*Spring Quarter.***HEAD PROFESSOR NORTHRUP.**

Introduction and Theology Proper. DM. (1)

Required of students in the first year.

Seminar in Christology. DMM. (8b)

Tuesdays and Thursdays, 3:00-5:00

XLV. CHURCH HISTORY.

D 2-7.

*Autumn Quarter.***HEAD PROFESSOR HULBERT.**

The Early Church from Constantine to Theodosius. DM. (2) 8:30

The Pilgrim Fathers and Plymouth Colony. DM. (32) 9:30

ASSOCIATE PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. DM. (1) 10:30

ASSISTANT PROFESSOR MONCRIEF.

Preparation in England and Bohemia for the Reformation. DM. (9) 10:30

The French Reformation. DM. (15) 11:30

*Winter Quarter***HEAD PROFESSOR HULBERT. (D 6)**

The Puritan Fathers and the New England Theocracy. DM. (33) 9:30

Seminar: The Struggle for Religious Liberty in Virginia. DM. (34)

Thursday, 3:00-5:00

ASSOCIATE PROFESSOR JOHNSON. (D 11)

The German Reformation. DM. (11) 11:30

ASSISTANT PROFESSOR MONCRIEF. (D 6)

Forerunners of the Reformation in Italy. DM. (10) 10:30

*Spring Quarter.***HEAD PROFESSOR HULBERT.**

Seminar: The English Baptists. MM. 1st Term. (55)

ASSOCIATE PROFESSOR JOHNSON.

The Swiss Reformation. DM. (13) 10:30

ASSISTANT PROFESSOR MONCRIEF.

History of the Church from Charles the Great to Boniface VIII. DM. (4) 10:30

XLVI. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

*Autumn Quarter.***HEAD PROFESSOR ANDERSON.**

Plans and Sermons. M. (1) 2:00

Homiletics. DM. (2) 3:00

ASSOCIATE PROFESSOR HENDERSON.

Pastoral Duties. M. 2d Term. (5) 3:00

*Winter Quarter.***HEAD PROFESSOR ANDERSON. (D 7)**

Plans and Sermons. M. (1) 2:00

Required as a weekly exercise of all students in the Graduate Divinity School.

History of Preaching. DM. (3) 3:00

Church Polity. M. 1st Term. (4) 4:00

*Spring Quarter.***HEAD PROFESSOR ANDERSON.**

Masterpieces of Pulpit Eloquence. DM. (6) 3:00

VI. SOCIOLOGY.

C 11.

Autumn Quarter.

ASSOCIATE PROFESSOR HENDERSON.

- Organizations for Promoting Social Welfare.** DM.
Seminar. (14) Tuesday, 4:00-6:00
- The Family.** M. 1st Term. (18) 2:00
- Voluntary Associations.** M. 2d Term. (19) 3:00
- Social Institutions of Organized Christianity.** M.
2d Term. (15) 2:00

Winter Quarter.

ASSOCIATE PROFESSOR HENDERSON.

- Organizations for Promoting Social Welfare.** DM.
Seminar. (14) Tuesday, 4:00-6:00
- Economical and Governmental Agencies for Advancing General Welfare.** M. 1st Term. (32) 2:00
- Social Conditions in American Rural Life.** M. 1st Term. (31) 3:00

Social Treatment of Dependents and Defectives.

M (or MM). 2d Term. (16) 2:00

Modern Cities and Cooperation of their Beneficent Forces. M. 2d Term. (33) 3:00

XXVIII. ELOCUTION.

K. (Theatre)

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2)
Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

Reading Aloud. 3 hrs. a week. M. (4)
Monday, Wednesday, and Friday, 4:00

Dramatic Reading. M. (5)
Monday, Wednesday, and Friday at 3:00

THE ENGLISH THEOLOGICAL SEMINARY.

XVI. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Courses in this department in the Graduate School and the Colleges, are open to students in the Divinity School.

A. OLD TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR PRICE.

Special Introduction to the Historical Books.
DM. (38) 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Minor Prophets. DM. (A. 17) 4:00

DR. KENT.

Outline of Hebrew History. DM. (A. 29) 11:30

Winter Quarter.

DR. KENT.

The Minor Prophets of the Assyrian Period.
M. 1st Term. (A. 18) 2:00

Isaiah, I-XXXIX. M. 2d Term. (A. 12) 2:00

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

Biblical Chronology. M. 1st Term. (A. 37)

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Geography. M. 2d Term. (53)

Mesopotamian Life. M. 1st Term. (54)

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Epistles of the Apostle Paul. M. 2d Term. (B. 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B. 10) 9:30

Autumn Quarter.

MR. VOTAW.

The Founding of the Christian Church. DM.
(B. 4) 11:30

The Teaching of Jesus. DM. (B. 21) 10:30

Winter Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Gospel of Matthew. DM. (B. 7) 9:30

Spring Quarter.

MR. VOTAW.

History of the New Testament Times. DM. (B. 1)
10:30

THE QUARTERLY CALENDAR.

XLIV. SYSTEMATIC THEOLOGY.

Autumn Quarter.

ASSOCIATE PROFESSOR JOHNSON. (D 11)	
Soteriology. DM. (21)	11:30

XLV. CHURCH HISTORY.

Winter Quarter.

ASSOCIATE PROFESSOR JOHNSON. (D 11)	
Prior to Constantine. DM. (1)	10:30
ASSISTANT PROFESSOR MONCRIEF. (D 6)	
The Great Reformers. DM. (16a)	11:30

Spring Quarter.

HEAD PROFESSOR HULBERT. (D 6)	
From Constantine to Theodosius. M. 1st Term.	
(2)	

XLVI. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

Autumn Quarter.

ASSOCIATE PROFESSOR JOHNSON. (D 11)	
Homiletics. DM. (6a)	3:00

Spring Quarter.

HEAD PROFESSOR ANDERSON. (D 7)	
Church Polity and Pastoral Duties. DM. (4a)	4:00
ASSOCIATE PROFESSOR JOHNSON. (D 11)	
Sermons and Sermon-Plans. M. 2d Term. (7)	

VI. SOCIOLOGY.

C 11.

Autumn Quarter.

ASSOCIATE PROFESSOR HENDERSON.	
The Family. M. 1st Term (18)	2:00
Social Institutions of Organized Christianity.	
M. 2d Term. (15)	2:00

Winter Quarter.

ASSOCIATE PROFESSOR HENDERSON.	
Social Conditions in American Rural Life.	
M. 1st Term. (31)	3:00
Social Treatment of Dependents and Defectives.	
M. 2d Term. (16)	2:00

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

L. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION. (DAN.-NOR.)

Autumn Quarter.

ASSISTANT PROFESSOR GUNDERSEN.	
Biblical Hermeneutics. DM. (10)	10:00
Introduction to the Greek of the New Testament.	
DM. (11)	11:00

Winter Quarter.

ASSISTANT PROFESSOR GUNDERSEN.	
Sacred Geography and Biblical Antiquities. M. 1st Term. (4)	10:00
The Gospel of Matthew. M. 1st Term. (9)	11:00
General Introduction. M. 2d Term. (1)	10:00
The Epistle to the Galatians. M. 2d Term. (5)	11:00

Spring Quarter. Revised.

ASSISTANT PROFESSOR GUNDERSEN.	
Particular Introduction. M. 1st Term. (2)	10:00
The Epistle to the Ephesians. M. 1st Term. (8)	11:00

LI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Autumn Quarter.

PROFESSOR JENSEN.	
Introduction to the Science of Christian Theology.	
M. 1st Term. (1)	2:00
Antecedents of Redemption. M. 1st Term.	
(2)	3:00
Redemption Itself. M. 2d Term. (3)	2:00
Consequents of Redemption. M. 2d Term.	
(4)	3:00

Spring Quarter.

PROFESSOR JENSEN.	
New Testament Ethics. M. 1st Term. (6)	2:00

LII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Winter Quarter.

PROFESSOR JENSEN.	
Theory of Preaching. M. 1st Term. (1)	2:00
Sermonizing and Preaching. M. 2d Term. (2)	2:00

LIII. CHURCH HISTORY. (DAN.-NOR.)

Winter Quarter.

MR. BROHOLM.

- The Early Church.** M. 1st Term. (1) 3:00
The Mediæval Church. M. 2d Term. (2) 3:00

Spring Quarter.

MR. BROHOLM.

- The Modern Church.** M. 1st Term. (3) 3:00

THE SWEDISH THEOLOGICAL SEMINARY.

LV. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION. (SWEDISH)

Autumn Quarter.

ASSISTANT PROFESSOR MORTEN.

- The Gospel of John.** M. 1st Term. (1) 10:00
Sacred Geography and Antiquities. M. 1st Term. (2) 11:00
Biblical Introduction. MM. 2d Term. (3) 10:00

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

- Hermeneutics.** M. 1st Term. (4) 10:00

LVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES. (SWEDISH)

Autumn Quarter.

PROFESSOR LAGERGREN.

- The Doctrine of Redemption and Salvation.** MM. 1st Term. (4) 3:00
The Doctrine of the Church and the Last Things. MM. 2d Term. (5) 3:00

Winter Quarter.

PROFESSOR LAGERGREN.

- Introduction to the Christian Theology.** MM. 1st Term. (1) 2:00

The Bible a Revelation from God. M. 2d Term. (2)

3:00

Symbolics. M. 1st Term. (6) 4:00**Christian Ethics.** M. 2d Term. (7) 4:00*Spring Quarter.*

PROFESSOR LAGERGREN.

The Doctrine of God. M. 1st Term. (3) 3:00**Pastoral Duties.** M. 2d Term. (8) 4:00

LVII. CHURCH HISTORY. (SWEDISH)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. M. 1st Term. (2) 11:00*Spring Quarter.*

ASSISTANT PROFESSOR SANDELL.

American Church History. DM. (1) 11:00

LVIII. HOMILETICS. (SWEDISH)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. M. 1st Term. (1) 10:00**Practical Homiletics.** M. 2d Term. (2) 10:00

TIME SCHEDULE.

WINTER QUARTER, 1894.

The Laboratory and Research Work of the Departments in the Ogden School of Science is only partially indicated in this time schedule.

Hours.	Divinity School.	Graduate School and University College of Arts and Literature.	Ogden (Graduate) School and University College of Science.	Academic Colleges.
7:30		<p>Early Old Testament Traditions (<i>W. R. Harper</i>).</p> <p>Experimental Psychology (<i>Ansell and McLennan</i>). Advanced Polit. Econ. (<i>A. C. Miller</i>). Descriptive Political Economy (<i>Hill</i>). Administrative Law (<i>Freund</i>). Seminar: English History (<i>Terry</i>). Monday and Saturday, 8:30-10:30. Social Anatomy (<i>Small and Vincent</i>). Arabic History, etc. (<i>W. R. Harper</i>). Hebrew: Deuteronomy (<i>Grandall</i>). 1st Term. Hebrew: Jeremiah (<i>Grandall</i>). 2d Term. Septuagint (<i>Arnott</i>). Horace; Quintilian (<i>Chandler</i>). French Literature of 19th Cent. (<i>Bergeron</i>). History of French Literature (<i>Bergeron</i>). Monday and Saturday, 8:30-10:30. Elementary Spanish (<i>Wallace</i>). Norwegian, Danish (<i>Dahl</i>). Argumentative Prose (<i>Lovett</i>). Browning and Tennyson (<i>Triggs</i>).</p>	<p>Advanc. Integral Calculus (<i>Maschke</i>). Theory of Numbers (<i>Young</i>). Theoretical Chemistry (<i>Langfeld</i>). Tuesday and Friday. Adv. Inorganic Chemistry (<i>Langfeld</i>). Wednesday and Saturday. Organic Nitrogen Derivatives (<i>Stieglitz</i>). Monday and Thursday. Economic Geology (<i>Pearse</i>). Special Bacteriology (<i>Jordan</i>). Anatomy of Sense Organs (<i>Donaldson</i>). 1st Term. Thursday. Growth of Brain (<i>Donaldson</i>). 2d Term. Thursday. Seminar: Neurology (<i>Donaldson</i>). Fri. Research in the Osteology of Living and Extinct Vertebrates (<i>Baur</i>). Daily, 8:30-12:30; 2:00-4:00. Botany (<i>Clarke</i>).</p>	<p>Advanced Political Economy (<i>Miller</i>). Descriptive Political Economy (<i>Hill</i>). History: Medieval Period, B (<i>Conger</i>). Homer; Review of Greek Grammar (<i>Owen</i>). Cicero; Livy, etc. Sec. 2 (<i>Moore</i>). Virgil (<i>Walker</i>). German Prose (<i>Outing</i>). Elementary Spanish (<i>Wallace</i>). Elementary German (<i>Mulfinger</i>). English Literature, Sec. A (<i>Reynolds</i>). English Composition (<i>Lovett</i>). Required Mathem. 1a (<i>Boyd</i>). Required Mathem. 2a (<i>Gillepie</i>). Elocution (<i>Clark</i>) 1a Mon., 1d Sat.</p>
8:30		<p>Psychology (<i>Ansell and McLennan</i>). Methodology of Psychology (<i>Mead</i>). Scope and Method of Polit. Econ. (<i>Miller and Hill</i>). Statistics (<i>Hosworth</i>). Comparative Politics (<i>Judson</i>). Historical Sociologies (<i>Thomas</i>). Advanced Syriac (<i>R. F. Harper</i>). Plato (<i>Tarbell</i>). Euripides (<i>Castle</i>). New Testament Textual Criticism (<i>Arnott</i>). Elements of French Literature (<i>Bergeron</i>). Spanish (<i>Howland</i>). Historical French Grammar (<i>Poyen-Bellisle</i>). French, adv. Syntax and Comp. (—). Spanish Literature (<i>Wallace</i>). German Prose Composition (<i>Outing</i>). Goethe's Lyrical Poetry (<i>von Klenze</i>). Rhetoric and Rhetorical Methods (<i>Lewis</i>). William Wordsworth (<i>Reynolds</i>). Gospel of Matthew (<i>Mathews</i>).</p>	<p>Theory of Substitutions (<i>Bolze</i>). Theory of Equations (<i>Young</i>). Instruments of Precision (<i>Wadsworth</i>). Mon., Tues., and Wed. General Geology (<i>Salisbury</i>). Descriptive Mineralogy (<i>Iddings</i>). Comparative Anatomy of the Vertebrates (<i>Wheeler</i>). 9:30-12:30. Original Investigation in Physiology (<i>Loeb</i>). Botany: Lectures (<i>Coulter</i>). Saturday.</p>	<p>History: Modern Period, A. (<i>Conger</i>). Euripides (<i>Tarbell</i>). Cicero; Livy, etc. Sec. 1 (<i>Miller</i>). Terence; Tacitus. Sec. 1 (<i>Moore</i>). English Literature, Sec. B (<i>Tolman</i>). Gospel of Matthew (<i>Mathews</i>). Required Mathem. 1b (<i>Hancock</i>). General Physics (<i>Stratton</i>). Physiography (<i>Kjarnset</i>). General Biology (<i>Jordan</i>). Elocution (<i>Clark</i>) 1b Mon., 1e Sat.</p>
9:30	<p>Gospel of Matthew (<i>Mathews</i>).</p> <p>Puritan Fathers and New England Theocracy (<i>Hubert</i>).</p> <p>Sacred Geography and Biblical Antiquities (<i>Gundersen</i>). 1st Term.</p> <p>General Introduction (<i>Gundersen</i>). 2d Term.</p>			
10:30	<p>New Testament Canon (<i>Mathews</i>).</p> <p>Forerunners of the Reformation in Italy (<i>Moncrief</i>).</p> <p>Church History: Prior to Constantine (<i>Johnson</i>).</p> <p>Gospel of Matthew (<i>Gundersen</i>). 1st Term.</p> <p>Epistle to Galatians (<i>Gundersen</i>). 2d Term.</p> <p>Theoretical Homiletics (<i>Sundell</i>). 1st Term.</p> <p>Practical Homiletics (<i>Sundell</i>). 2d Term.</p>	<p>General History of Philosophy (<i>Twifis</i>). Economic and Social History (<i>A. C. Miller</i>). Socialism (<i>Veblen</i>). International Law (<i>Judson</i>). Classical Archaeology (<i>Tarbell</i>). Water, Food, and Clothing (<i>Talbot</i>). Elements of Hindi (<i>Coffin</i>). Selected Historical Inscriptions (<i>R. F. Harper</i>). Epistle to the Romans (<i>Burton</i>). Comp. Gram. of Greek and Latin (<i>Buck</i>). 1st Term. Exercises in Comp. Gram. (<i>Buck</i>). 2d Term. French Rapid Reading (<i>Bergeron</i>). Old French Texts (<i>Poyen-Bellisle</i>). Spanish Readings (<i>Wallace</i>). Scandinavian Literature (<i>Dahl</i>). Seminar: Lyrical Poetry (<i>von Klenze</i>). English Literature Seminar (<i>Crow</i>).</p>	<p>Waterstrass' Theory of Elliptic Functions (<i>Maschke</i>). Analysis and Calculus, Section b (<i>Boyd</i>). General Physics Advanced (<i>Michelson</i>). Tuesday and Wednesday. General Physics Advanced (<i>Stratton</i>). Tuesday and Thursday. Theory of Heat (<i>Wadsworth</i>). Principles and Working Methods of Geology (<i>Chamberlain</i>). Special Paleont. Geology (<i>Queveau</i>). Anat. and Physiology of Cell (<i>Wallace</i>). Physiology of Circulation, Respiration, and Animal Heat (<i>Loeb</i>). Botany: Laboratory Work (<i>Coulter</i>). Saturday, 10:30-12:30.</p>	<p>History: Medieval Period, A. (<i>Thatcher</i>). History: Modern Period, B (<i>Catterall</i>). Xenophon; Plato (<i>Castle</i>). Horace; Roman Lit. (<i>Miller</i>). Terence; Tacitus. Sec. 2 (<i>Walker</i>). Cicero (<i>Gortis</i>). Elementary French (<i>Howland</i>). Spanish Readings (<i>Wallace</i>). Shakespeare (<i>McClintock</i>). Shakespeare and Calculus, Sec. 4b (<i>Boyd</i>). Required Mathem. 1c (<i>Hancock</i>). Physics: Labor, Practice (<i>Wadsworth</i>). Elocution (<i>Clark</i>) 1c Mon., 1f Sat.</p>

11:30	New Test. Greek (<i>Burton</i>). Soteriology (<i>Northrup</i>). German Reformation (<i>Johnson</i>). The Great Reformers (<i>Moncrief</i>). Modern Church History (<i>Sundell</i>). 1st Term.	Comparative Psychology (<i>Mead</i>). Money and Practical Economics (<i>Laughlin</i>). Institutes of Roman Law (<i>Freund</i>). Geography of Europe (<i>Conger</i>). Protestant Reformation (<i>Catherall</i>). Ethnology (<i>Slarr</i>). New Testament Greek (<i>Burton</i>). Sanskrit (<i>Buck</i>). Plautus (<i>W. G. Hale</i>). Italian Literature (<i>Houland</i>). Art School of English Poets (<i>Triggs</i>). Text of Hamlet (<i>Brunard</i>).	Anal. Geom. of 3 Dimensions (<i>Bolza</i>). Analytics and Calculus, Sec. a (<i>Boyd</i>). General Astronomy (<i>See</i>). Velocity of Light (<i>Michelson</i>). Special Graduate Course (<i>Michelson</i>). Thursday and Friday. Organic Chemistry (<i>Nef</i>). Thurs-Sat. General Inorganic Chemistry (<i>Smith</i>). Structural Geology (<i>Satsburg</i>). Paleontologic Geology (<i>Queveau</i>). Comparative Osteology and Phylogeny of Vertebrates (<i>Baur</i>).	Geography of Europe (<i>Conger</i>). Homer (<i>Shorey and Owen</i>). Elementary French (<i>Poyen-Bellisle</i>). German, Intermed. Course (<i>Mulfinger</i>). Analytics and Calculus, Sec. 4a (<i>Boyd</i>). Required Mathem. 1 d (<i>J. A. Smith</i>). Required Mathem. 2b (<i>Slauight</i>). Physics: Labor. Practice (<i>Wadsworth</i>). Gen. Inorg. Chemistry (<i>Smith</i>). Elocution, 1 (<i>Clark</i>). Monday. Oratoric Composition (<i>Clark</i>).
P. M. 12:30 to 1:00	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.
2:00	Minor Prophets of Assyrian Period (<i>Kent</i>). 1st Term. Isaiah, 1-39 (<i>Kent</i>). 2d Term. Plans and Sermons (<i>Anderson</i>). Theory of Preaching (<i>Jensen</i>). 1st Term. Sermonizing and Preaching (<i>Jensen</i>). 2d Term. Introduction to Christian Theology (<i>Lagergren</i>). 1st Term.	Seminar: English Philosophy { (<i>Tyfts</i>). Philosophical German Railway Transportation (<i>Hill</i>). Geography of South America (<i>Conger</i>). History of Israel (<i>Goodspeed</i>). Seminar: Social Dynamics, II. (<i>Small</i>). Agencies for General Welfare (<i>Henderson</i>). 1st Term. Dependents and Defectives (<i>Henderson</i>). 2d Term. Anthropology, Labor. Work (<i>Slarr</i>). Semitic Seminar (<i>W. R. Harper</i>). Wednesday, 2:00-4:00. Talmud (<i>Hirsch</i>). 1st Term. Hebrew Poetry and Poetical Books (<i>Price</i>). 1st T. Biblical Aramaic (<i>Price</i>). 2d Term. Goethe and Schiller (<i>Cutling</i>). Old High German (<i>Schmidt-Wartenberg</i>). English Language Seminar (<i>Blackburn</i>). Monday, 2:00-4:00 History of English Drama (<i>Cron</i>). Prophets of Assyr. Period (<i>Kent</i>). 1st Term. Isaiah, 1-39 (<i>Kent</i>). 2d Term.	Solar Physics (<i>Hale</i>). Dynamics of a System (<i>Laves</i>). Research Course (<i>Michelson</i>). Monday-Friday, 2:00-4:00 Special Graduate Course (<i>Michelson</i>). Labor. Work, Mon.-Fri. 2:00-6:00 Physics: Labor. Practice (<i>Wadsworth</i>). Mon.-Fri., 2:00-5:00. General Inorganic Chemistry (<i>Smith</i>). Labor Work, Mon. & Tues., 2:00-5:00. Petrography (<i>Iddings</i>). Anatomy (<i>Eyckeshymer</i>). Thursday and Friday, 2:00-5:00. Advanced Physiology (<i>Loeb</i>). Physiology of Digestion (<i>Lingle</i>). Thurs.-Sat., 2:00-5:00. Physiology, Laboratory Work (<i>Lingle</i>). Monday-Wednesday, 2:00-5:00. Laboratory Work in Compar. Osteology (<i>Baur</i>). 2:00-4:00.	Geography of South and Central America (<i>Conger</i>). Hist. of Eng. Language (<i>Blackburn</i>). Rhetoric and English Composition (<i>Herrick, Lovett, and Lewis</i>). 1B, Tues.; 1C, Thurs. Minor Prophets of Assyrian Period (<i>Kent</i>). 1st Term. Isaiah, 1-39 (<i>Kent</i>). 2d Term. Required Mathem. 2c (<i>Brown</i>). Chemistry 1 and 3 } (<i>Smith</i>). Laboratory Work }
3:00	Messianic Prophecy (<i>Price</i>). Seminar in Christology (<i>Northrup</i>). Seminar: Church History, (<i>Falbert</i>). 3:00-5:00 Thursday, 3:00-5:00 History of Preaching (<i>Anderson</i>). Homiletics (<i>Johnson</i>). Bible a Revelation from God (<i>Lagergren</i>). 2d Term. Early Church History (<i>Broholm</i>). 1st Term. Medieval Church History (<i>Broholm</i>). 2d Term.	Economic Seminar (<i>Laughlin</i>). History of Europe in the 19th Century (<i>von Holst</i>). Problems of Social Statics, II. (<i>Small</i>). American Rural Life (<i>Henderson</i>). 1st Term. Modern Cities (<i>Henderson</i>). 2d Term. Seminar in Sanitary Science (<i>Falbot</i>). Physical Anthropology (<i>Slarr</i>). 1st Term. Settlement Movement (<i>West</i>). 2d Term. Origin and Evolution of Society (<i>West</i>). 2d Term. Contemporary Society in U. S. (<i>Vincent</i>). Arabic Authors (<i>Herrick</i>). Hebrew Religion (<i>Goodspeed</i>). Seminar: Greek Drama (<i>Shorey</i>). Wed. 3:00-5:00. Seminar 3 (<i>W. G. Hale</i>). Tues. 3:00-5:00. Seminar: Tacitus (<i>Chandler</i>). Wed. 3:00-5:00. Italian, Dante (<i>Houland</i>). Germanic Seminar, Mon. 3:00-5:00. Old Norse (<i>Schmidt-Wartenberg</i>). Old English (<i>Blackburn</i>). Advanced English Composition (<i>Herrick</i>).	Calculus of Variations (<i>Hancock</i>). Spherical Astronomy (<i>Laves</i>). Astronomical Seminar (<i>See and Laves</i>). Fortnightly, Saturdays. Seminar in Phylogeny (<i>Baur</i>).	Elementary German (<i>Mulfinger</i>). Rhetoric and English Composition 1A (<i>Herrick, Lovett, and Lewis</i>). Chemistry 1 and 3, } (<i>Smith</i>). Laboratory Work }
4:00	Seminar: Gospel of Luke (<i>Mathews</i>). Seminar in Christology (<i>Northrup</i>). Tues. and Thurs. Church Polity (<i>Anderson</i>). 1st Term. Symbolics (<i>Lagergren</i>). 1st Term. Christian Ethics (<i>Lagergren</i>). 2d Term.	Seminar in Finance (<i>A. C. Miller</i>). Seminar: History (<i>von Holst</i>). Monday, 4:00-6:00 Feudal Period, II (<i>Terry</i>). Seminar (<i>Henderson</i>). Tues. 4:00-6:00. Seminar: Gospel of Luke (<i>Mathews</i>). Old French Seminar (<i>Poyen-Bellisle</i>). Fortnightly, Tuesday. Old French Literature Seminar (<i>Bergeron</i>). Fortnightly, Tuesday. Modern French Literature Seminar (<i>Bergeron</i>). Fortnightly, Monday. Old Saxon (<i>Schmidt-Wartenberg</i>). Milton (<i>McClintock</i>). 4:00-6:00. Seminar: Shakespeare's Plays (<i>Tolman</i>). Tuesday and Friday, 4:00-6:00.	Mathematical Seminar. Fortnightly, Saturday 4:30. Chemical Journal Meetings, 4:30. Embryology (<i>Whitman</i>).	Chemistry 1 and 3, } (<i>Smith</i>). Laboratory Work }

The Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the *QUARTERLY CALENDAR* brief abstracts of papers read at the meeting of the Union, the Philological Society, and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1) Date of regular meeting of the Club, and (2) List of officers elected for the current year. It shall also be the Secretary's duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office.

OFFICERS OF THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

President—Theo. L. Neff, of the Romance Club.
Vice President—Florence Wilkinson, of the English Club.
Secretary and Treasurer—B. C. Hesse, of the Chemical Club.
Meets on the last Friday of the first term of each Quarter, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory*.

THE PHILOLOGICAL SOCIETY.

President—Assistant Professor F. A. Blackburn.
Vice President—Assistant Professor H. Schmidt-Wartenberg.
Secretary and Treasurer—Assistant Professor F. J. Miller.
Programme Committee—The President, Vice President, and the Secretary, with F. A. Wood and Theo. L. Neff, of the Graduate School.
The Society meets in *Room B 8, Cobb Lecture Hall*, on the third Friday of each Term, 8:00 P.M.

THE DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

President—Head Professor C. O. Whitman.
Vice President—Professor H. H. Donaldson.
Secretary and Treasurer—A. D. Mead, who also represents the Club in the University Union.
Meets fortnightly, Wednesdays at 3:00 P.M., in *Kent Chemical Laboratory*.

THE CHEMICAL CLUB.

President—Professor J. U. Nef.
Delegate to the University Union—B. C. Hesse.
Meets every Friday at 8:00 P.M., in *Lecture Room Kent Chemical Laboratory*.

THE CHURCH HISTORY CLUB.

President—C. D. Case.
Vice-President—W. H. Howard.
Secretary—J. H. Randall.
Delegate to the University Union—C. D. Case.
Meets fortnightly on Tuesday at 7:30 P.M., in the *Faculty Room*.

THE CLASSICAL CLUB.

President—Head Professor W. G. Hale.
Vice President—Professor Paul Shorey.
Secretary—Emma L. Gilbert.
Delegate to the University Union—W. C. France.
Executive Committee—The President, Vice-President, and the Secretary, with C. K. Chase and H. L. Lovell, of the Graduate School.
Meets monthly.

THE ENGLISH CLUB.

President—Associate Professor W. D. McClintock.
Secretary—Dr. Edwin H. Lewis.
Delegate to the University Union—Florence Wilkinson.
Programme Committee—The President, Secretary, and Delegate.
The meetings are to be held hereafter upon Tuesday evening of the third, seventh, and eleventh weeks of each quarter, in *Cobb Lecture Hall, Room B 10*, at 8:00 P.M.

THE EXEGETICAL CLUB.

President—J. H. Grant.
 Secretary and Treasurer—A. R. E. Wyant.
 Delegate to the University Union—L. D. Osborn.
 Programme Committee—Professors Price,
 Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

THE FRENCH LITERATURE CLUB.

President—Assistant Professor E. Bergeron.
 Vice President—Geo. C. Howland.
 Secretary—Antoinette Cary.
 Delegate to the University Union—M. C. Wier.

Meets fortnightly on Fridays at 4:00 P.M., in B 16.

THE GEOLOGICAL CLUB.

President—Thomas C. Hopkins.
 Vice President—Lizzie K. Ford.
 Secretary—D. E. Willard.
 Delegate to the University Union—C. E. Gordon.

Meets fortnightly, Tuesdays at 4:00 P.M., in *Walker Museum*.

THE GERMANIC CLUB.

President—Associate Professor S. W. Cutting.
 Secretary—Paul Oscar Kern.
 Delegate to the University Union—F. A. Wood.

Meets weekly on Mondays at 3:00 P.M., in B 11.

THE LATIN CLUB.

President—Assistant Professor F. J. Miller.
 Secretary—Harry W. Stone.
 Delegate to the University Union—Henry G. Gale.

Meets monthly, 8:00 P.M., at 5410 Madison av.

THE MATHEMATICAL CLUB AND SEMINAR.

Conducted by the Instructors of the Mathematical Faculty. Meets fortnightly, Saturdays at 4:30 P.M., in *Ryerson Physical Laboratory, 35*.

Delegate to the University Union—William Gillespie.

THE NEW TESTAMENT JOURNAL AND ESSAY CLUB.

President—Associate Professor Shailer Mathews.
 Vice President—Head Professor E. D. Burton.
 Secretary—C. E. Woodruff.

Delegate to the University Union—A. T. Watson.

Meets fortnightly at 8:00 P.M.

THE PHYSICS CLUB.

This Club has not yet organized; but will do so, as soon as the Department has moved into its new quarters.

THE POLITICAL ECONOMY CLUB.

Honorary President—Head Professor J. L. Laughlin.

President—William Hill.

Secretary and Treasurer—George Tunell.

Delegate to the University Union—H. P. Willis.

Executive Committee—The President, Secretary, Sarah M. Hardy, John W. Million, and Robert F. Hoxie.

Meets Thursdays at 7:30 P.M., in the *Faculty Room*.

THE POLITICAL SCIENCE AND HISTORY CLUB.

President—Charles T. Conger.

Secretary and Treasurer—Regina R. Crandall.

Delegate to the University Union—

Executive Committee—The President and Secretary together with J. W. Fertig, J. W. Thompson, and Miss Scofield.

Meets fortnightly on Wednesdays at 8:00 P.M., in the *Faculty Room*.

THE ROMANCE CLUB.

President—Mr. George C. Howland.

Secretary—Susan R. Cutler.

Delegate to the University Union—Theo. L. Neff.

THE SEMITIC CLUB.

President—Professor Emil G. Hirsch.

Vice President—Associate Professor Ira M. Price.

Secretary—Dean A. Walker.

Delegate to University Union—George Ricker Berry.

Meets fortnightly on Thursdays at 7:30 P.M., in the *Room of the Semitic Seminar*.

THE SOCIOLOGY CLUB.

President—I. W. Howerth.

Vice President—Phillip Matzinger.

Secretary and Treasurer—H. W. Thurston.

Delegate to the University Union—I. W. Howerth.

Meets fortnightly on Tuesdays at 7:30 P.M., in the *Faculty Room*.

THE LITERARY SOCIETY OF THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.*(Morgan Park, Ill.)*

President—P. P. Overgaard.

Vice President—H. J. Jacobsen.

Secretary—L. Rasmussen.

Vice Secretary—F. Holm.

Critic—Professor N. P. Jensen.

Programme Committee—Jacob Larsen, N. K. Larsen, and O. M. Olsen.

Meets fortnightly on Mondays at 8:00 P.M., in D 9.

THE SWEDISH LITERARY SOCIETY.*(Morgan Park, Ill.)*

President—John D. Nylin.

Vice President—C. E. Nylin.

Secretary—Carl O. Dahlin.

Meets Tuesdays at 7:30 P.M.

COMPARATIVE RELIGION CLUB.

President—Edmund Buckley.

Secretary—E. C. Sanderson.

Meets monthly throughout the year.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.**OFFICERS OF THE CHRISTIAN UNION.**

President—Associate Professor C. R. Henderson.

Vice President—Edgar J. Goodspeed.

Secretary and Treasurer—F. W. Woods.

The Executive Committee consists of Miss Laura Jones, W. E. Chalmers, F. W. Woods, Miss Agnes Cook, together with the Presidents of the Young Men's Christian Association, the Young Women's Christian Association, the Missionary Society, and the Volunteer Band.

The Executive Committee holds regular meetings each month.

Meets every Thursday at 1:30 P.M., in *Lecture Room, Cobb Lecture Hall.*

Union Meetings of the two Associations are held on Sundays, at 6:45 P. M.

OFFICERS OF THE RELATED SOCIETIES.**THE YOUNG MEN'S CHRISTIAN ASSOCIATION.**

President—A. T. Watson.

Meets every Friday, at 6:45 P. M., in *Lecture Room, Cobb Lecture Hall.*

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

President—Miss A. Hamilton.

THE MISSIONARY SOCIETY

Of the Divinity School of the University of Chicago.

President—H. A. Fisk.

Vice President—J. A. Herrick.

Treasurer—J. Y. Aitchison.

Secretary—W. E. Chalmers.

Meets fortnightly on Thursday evening, in *Chapel Cobb Lecture Hall.*

THE VOLUNTEER BAND

Of the University of Chicago.

President—F. G. Cressey.

Secretary—M. D. Eubank.

Meets monthly in D 6.

MUSIC.WARDNER WILLIAMS, *Assistant in Music.**Theatre, Kent Chemical Laboratory.*

ELEMENTARY MUSIC (sight reading). Two hours a week throughout the year. Tuesday and Friday, at 5:00 P.M.

THE UNIVERSITY CHORUS (advanced class). One hour and a quarter a week throughout the year. Tuesday, at 7:15 P.M.

THE UNIVERSITY ORCHESTRA. One hour and a half. Wednesday, at 7:30 P.M.

LECTURES AND RECITALS occur on Wednesdays, at 5:00 P.M.

THE EMPLOYMENT BUREAU.

There will be no further examination for Evening school certificates until September, 1895.

There will be an examination for High and Grammar school certificates Dec. 24, 1894.

Students who registered last year and received no work are continued on the enrollment of the Bureau. Others must re-register.

THE STUDENTS' FUND SOCIETY.

This Society makes loans upon the joint recommendation of its own Committee and a Committee of the Faculty. Students are not eligible for loans until they have been members of the University one Quarter, and have shown marked success in scholarship. Applications are considered by the Committee of the Faculty at the beginning of each Quarter, but in order that the necessary preliminary information may be secured all applications for loans to be granted in any Quarter must be handed in to *Head Professor J. L. Laughlin*, Chairman, by the end of the eleventh week of the preceding Quarter. Application blanks may be secured at the office of the Registrar.

The Officers of the Society are :

President—A. A. Sprague.

Vice President—Norman Williams.

Secretary—Charles H. Hamill.

Treasurer—Byron L. Smith.

The Officers of the Executive Committee are :

President—Mrs. H. M. Wilmarth.

Vice President—Mrs. George E. Adams.

Secretary—Mrs. Noble B. Judah.

The Board of Directors consists of seven gentlemen and twelve ladies.

The Committee of the Faculty is composed of :

Head Professor J. Laurence Laughlin, Chairman ;
Dean Judson, Dean Talbot, Associate Professor Stratton, and Assistant Professor F. J. Miller.

The University Extension Division.

NATHANIEL BUTLER, Director.

OCTOBER 1, 1894.

NOTE.—The University Extension Division offers instruction according to three different methods: (1) by Lecture-studies with the usual features of syllabus, review, weekly exercise, and examination; (2) by Class-instruction in classes organized outside of the University, but within the limits of the City of Chicago, and meeting on Evenings and Saturdays; (3) by Correspondence.

The following is a list of the courses of instruction at present offered in the University Extension Division by each of these methods. This list will necessarily be modified as the demand for new courses arises.

For a complete account of the aims and methods of University Extension work consult the Circulars of Information issued by the University Extension Division.

The numbers of the Departments correspond with those in the University (proper).

THE LECTURE-STUDY DEPARTMENT.

CHARLES ZEUBLIN, Secretary.

I. PHILOSOPHY.

ASSOCIATE PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

II. POLITICAL ECONOMY.

MR. BROOKS.

The Modern Church and the Labor Question.

Recent Developments of Social and Industrial Democracy.

Socialism.

Social Experiments.

III. POLITICAL SCIENCE.

HEAD PROFESSOR JUDSON.

American Politics.

I The Period of Dominant Foreign Influence.

II The Period of Dominant Internal Development.

MR. CONGER.

Historical Geography.

The Geography of Europe.

The Great Commercial Cities of Antiquity.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.

The Ethnic Foundation of Modern Civilization.

Political Foundation of Modern Civilization.

Baron and King—the Evolution of a Typical European Monarchy.

PROFESSOR GORDY.

The History of Political Parties in the United States.

Representative American Statesmen.

ASSOCIATE PROFESSOR THATCHER.

The History of the Middle Ages.

Mohammed, Mohammedanism, and the Crusades.

ASSISTANT PROFESSOR GROSE.

The Political Development of the European Nations since 1792.

The Founding of the German Empire of To-day.

Studies in the History of Europe from the French Revolution to the Present Time.

Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

American Statesmen and great Historic Movements.

DR. WIRTH.

Neueste Geschichte von Afrika.

Gegenwärtige Zustände im Orient.

Herodot—der erste Geschichtsschreiber des Altertums.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. WEBSTER.

How we are Governed.

The Making of a Federal Republic.

Six American Statesmen.

The American Revolution.

MR. WISHART.

Monks and Monasteries.

VI. SOCIOLOGY AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

Die Grundzüge der Sociologie.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.

Questions of Monopoly and Taxation.

Some Social and Industrial Forces in American History.

ASSOCIATE PROFESSOR HENDERSON.

Charities and Corrections.

The Family—a Sociological Study.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.

The Native Races of North America.

Early Man in Europe.

Evolution.

MR. ZEUBLIN.

A Century of Social Reform.

English Fiction and Social Reform.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Some Leaders in Sociology.

Utopias.

MR. RAYMOND.

Social Aspects of the Labor Movement.

MR. HOWERTH.

Some Social Experiments.

VII. COMPARATIVE RELIGION.

MR. BUCKLEY.

Shinto, the Ethnic Faith of Japan.

The Science of Religion.

VIII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

XI AND XII. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.

Homer, the Iliad.

Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

ASSISTANT PROFESSOR MILLER.

Virgil.

XIII. ROMANCE LITERATURE AND PHILOLOGY.

ASSISTANT PROFESSOR BERGERON.

French Literature.

Littérature Française.

XIV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.

The Tragedies of Shakespeare.

Ancient Tragedy for English Audiences.

Stories as a Mode of Thinking.

Spenser's Legend of Temperance.

Literary Criticism and Theory of Interpretation.

Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.

Some Studies in American Literature.

ASSOCIATE PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.

English Romantic Poets from 1780 to 1830.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth: A Course
Preparatory to the Study of Shakespeare.

George Meredith.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

MR. CLARK.

Poetry as a Fine Art.

MR. HERRICK.

The Creation of the English Novel.

The Decay of Romanticism in English Poetry.

Studies in Style.

MR. HOOPER.

American Prose Writers.

American Poets.

MR. OGDEN.

History and Structure of English Speech.

Old English Life and Literature.

Modern English Poetry.

MISS CHAPIN.

General Survey of American Literature.

Masterpieces of English Poetry.

MR. JONES.

Prophets of Modern Literature.

Masterpieces of George Eliot.

Social Studies in Henrik Ibsen.

XVI. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR HARPER.

Old Testament Thought Concerning Suffering,
Scepticism, and Love.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR HIRSCH.

Religion in the Talmud.

The Jewish Sects.

Biblical Literature.

History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old
Testament.

The Forgotten Empires and the Old Testament.

ASSOCIATE PROFESSOR THATCHER.

The Apostolic Church.

The Life and Work of Paul.

DR. KENT.

Hebrew Poetry.

Hebrew Prophecy studied in the Light of the
Prophets of the Assyrian Period.

Messianic Prophecy.

The Messianic Predictions of the Hebrew Prophets.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but
excluded from, Our Bible.

XVIII. ASTRONOMY.

DR. SEE.

General Astronomy.

XIX. PHYSICS.

ASSISTANT PROFESSOR STRATTON.

Sound.

ASSISTANT PROFESSOR CORNISH.

Hydrostatics and Pneumatics.

MR. BELDING.

Elements of Electricity and Magnetism.

XX. CHEMISTRY.

MR. MORSE.

General Chemistry.

Chemistry of Everyday Life.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Landscape Geology.

The Evolution of the North American Continent.

XXII. ZOÖLOGY.

MR. BOYER.

Biology.

MR. COLE.

General Course in Bacteriology.

MICROSCOPY.

MR. MORSE.**The Microscope and its Uses.**

MUSIC.

DR. WILLIAMS.**Music.**

ART.

MR. FRENCH.**Painting and Sculpture.****MR. TAFT.****Ancient Sculpture.****Contemporary French Art.****Contemporaneous Art.****MR. SCHREIBER.****History of Art.**

SCANDINAVIAN LITERATURE.

MR. DAHL**Norwegian Literature.****Swedish and Danish Literatures.****Social Studies in Björnson and Ibsen.**

RUSSIAN LITERATURE.

DR. HOURWICH.**Studies in Russian Literature.**

JAPANESE INSTITUTIONS.

MR. CLEMENT.**Japan and the Japanese.****Japanese History and Civilization.****THE CLASS-STUDY DEPARTMENT.****JEROME H. RAYMOND, Secretary.**

The following is a partial list of courses which will be given in the evening or on Saturday, at the University or in other parts of the city or suburbs, wherever six or more students desire instruction in the same subject. These classes will usually meet once a week for twelve weeks, each session continuing two hours.

I. PHILOSOPHY.

ASSOCIATE PROFESSOR TUFTS.**Movements of Thought in the Nineteenth Century. M.****ASSISTANT PROFESSOR MEAD.****Introduction to Logic. M.****ASSISTANT PROFESSOR ANGELL.****Introduction to Psychology. M.**

II. POLITICAL ECONOMY.

MR. MILLION.**Principles of Political Economy. M.**

III. POLITICAL SCIENCE.

MR. BLAKELY.**Civil Government in the United States. M.****MR. CONGER.****The Geography of Europe. M.**

IV. HISTORY.

DR. WIRTH.**Grecian History. M.****Roman History. M.****MR. BALDWIN.****Nineteenth Century History. M.****MR. ROSSETER.****American History. M.****MR. RULLKOETTER.****Mediaeval History. M.****English History. M.**

VI. SOCIOLOGY AND ANTHROPOLOGY.

ASSOCIATE PROFESSOR BEMIS.**Some Recent Efforts for Social Progress. M.****ASSOCIATE PROFESSOR HENDERSON.****Voluntary Associations for Social Amelioration. M.****DR. MAX WEST.****General Sociology. M.**

MR. FULCOMER.

Introduction to Sociology. M.

MR. HOWERTH.

Sociology.

XI. THE GREEK LANGUAGE AND LITERATURE.

MR. VOTAW.

Studies in Biblical Greek.

MR. SAYRS.

Greek for Beginners.

Xenophon's Anabasis.

Homer's Iliad.

XII. THE LATIN LANGUAGE AND LITERATURE.

ASSISTANT PROFESSOR MILLER.

The Development of Latin Satire. M.

MR. ORR.

Cæsar for Beginners. M.

Virgil. M.

Cicero. M.

MR. MOORE.

Virgil's Georgics.

Horace.

XIII. ROMANCE LANGUAGES.

MR. DE COMPIGNY.

Elementary French.

Reading Course.

Practical French for Beginners.

Conversational French.

XIV. GERMANIC LANGUAGES AND LITERATURES.

DR. VON KLENZE.

Goethe's Lyrical Poetry as an Exponent of His Life. M.

MR. MÜLFINGER.

Elementary German. M.

Modern Prose. M.

MR. DAHL.

Studies in Scandinavian Literature.

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

ASSISTANT PROFESSOR MCCLINTOCK.

English Romantic Poetry.

MR. LOVETT.

Rhetoric. DM.

Shakespeare. M.

MR. HERRICK.

Advanced English Composition. MM.

Nineteenth Century Poets.

Prose Writers of the Nineteenth Century.

MR. TRIGGS.

Studies in Nineteenth Century Literature.

MR. PAGE.

History of American Literature.

MR. SQUIRES.

English Romantic Poetry.

MR. HENRY.

English Romantic Poetry.

MR. OGDEN.

Old English—Elementary Course.

English Literature.

MR. WOODS.

English Grammar.

Chaucer.

XVII. MATHEMATICS.

MR. MANN.

Plane Geometry.

Solid Geometry.

Plane Trigonometry.

Coördinate Geometry.

MR. COBB.

Elementary Algebra.

Review Course in Algebra.

MR. SMITH.

Plane Geometry.

Solid Geometry.

XVIII. ASTRONOMY.

DR. LAVES.

General Astronomy. M.

XX. CHEMISTRY.**MR. MORSE.****Elementary Chemistry. M.****MISS HUNT.****General Chemistry. M.****Chemistry of Common Life.****MR. ALLEN.****General Chemistry.****XXI. GEOLOGY.****PROFESSOR SALISBURY.****Geographic Geology. M.****MR. KÜMMEL.****Geographic Geology. M.****XXII. ZOÖLOGY.****MR. GARREY.****Elementary Course in the Morphology of Vertebrates. M.****MR. WHITNEY.****Elementary Zoölogy.****XXIV. PHYSIOLOGY.****MR. MITCHELL.****General Physiology.****XXVII. BOTANY.****MR. LUCAS.****Elementary Course in Plant Morphology.****MR. CLARKE.****Botany.****THE CORRESPONDENCE-STUDY DEPARTMENT.****OLIVER J. THATCHER, Secretary.**

NOTE.—Instruction by correspondence may be either formal or informal. In formal correspondence, the work is carried on in much the same way as in the class room, by means of a definite number of lesson and recitation papers. In informal correspondence, no formal lesson papers are given. The work to be done is carefully planned by the instructor, the necessary directions are given, and ordinarily a thesis or paper is required of the student, who is free at all times to ask for help and advice as difficulties arise. This method is employed only with graduate students.

I. PHILOSOPHY.**Psychology. MM.****Logic. M.**

Associate Professor Tufts offers instruction by informal correspondence in the History of Philosophy.

II. POLITICAL ECONOMY.**Principles of Political Economy. MM.****III. POLITICAL SCIENCE.**

Head Professor Judson offers instruction by informal correspondence in Political Science.

IV. HISTORY.**Roman History to the Death of Augustus. M.****Greek History to the Death of Alexander. M.****History of the United States. M.****The History of England till the Accession of the Tudors. MM.****The History of Europe from the Invasion of the Barbarians till the Death of Charlemagne. M.****The History of Europe from 800 to 1500 A.D. MM.****The Period of Discovery and Exploration in America. M.****The Colonial Period and the War of the Revolution. MM.****The Political History of the Confederation, from the union of the Colonies against Great Britain to the formation of a National Government. M.****The Political History of the United States, from the formation of the National Government to the period of dominant foreign politics (1789-1815). M.****The Political and Constitutional History of the United States, from the formation of the Confederation to the War of Secession, continued, M.**

Dr. Shepardson offers instruction by informal correspondence in the History of the United States.

VI. SOCIOLOGY AND ANTHROPOLOGY.**The Methodology of Social Science. Open only to those who read both French and German fluently. MM.**

Introduction to the study of the Dependent, Defective, and Delinquent Classes, and their Social Treatment. Two consecutive Majors.

The Family. M.

Non-economical and non-political Social Groups. M.

Anthropology. Elementary Course. MM.

VII. COMPARATIVE RELIGION.

Associate Professor Goodspeed offers instruction by informal correspondence in Comparative Religion.

VIII. SEMITIC LANGUAGES AND LITERATURES.

Beginning Hebrew. M.

Intermediate Hebrew. M.

Exodus and Hebrew Grammar. M.

Haggai, Zechariah, and Malachi, with Hebrew Syntax. M.

Arabic for beginners. MM.

Assyrian for beginners. M.

Head Professor Harper offers instruction by informal correspondence in Hebrew.

IX. BIBLICAL AND PATRISTIC GREEK.

Beginning New Testament Greek. M.

Intermediate New Testament Greek. M.

The Acts of the Apostles. M.

Head Professor Burton offers instruction by informal correspondence in the Greek New Testament.

X. SANSKRIT AND INDO-EUROPEAN PHILOLOGY.

Sanskrit for Beginners. MM.

XI. GREEK LANGUAGE AND LITERATURE.

Greek Primer for Beginners. Two consecutive Majors.

Xenophon's Anabasis, Books II-III. MM.

Xenophon's Anabasis, Books IV-V. MM.

Homer's Iliad, I Book. MM.

Homer's Iliad, Books II-IV. MM.

Xenophon's Memorabilia. MM.

Lysias, Selected Orations, History of Greek Prose Literature. MM.

Professor Shorey offers instruction by informal correspondence in Greek.

XII. THE LATIN LANGUAGE AND LITERATURE.

Latin Primer for Beginners. Two consecutive Majors.

Cæsar, Book II. MM.

Cæsar, Books III-IV. MM.

Cæsar, Book I, advanced. M.

Cicero. MM.

Cicero. MM.

Virgil, Book I. MM.

Virgil, Books II-III. MM.

Virgil, Books IV-VI. MM.

Cicero, De Senectute. Writing of Latin. MM.

Livy, Selections. Writing of Latin. MM.

Odes of Horace. Books I-II. MM.

Assistant Professor Miller offers instruction by informal correspondence in Latin Satire.

XIII. ROMANCE LITERATURE AND PHILOLOGY.

French for Beginners. MM.

A thorough course in Spanish Grammar with extensive readings. Two consecutive Majors.

XIV. GERMAN LANGUAGES AND LITERATURES.

German for Beginners. MM.

German, advanced. MM.

Associate Professor Cutting offers instruction by informal correspondence in German Literature.

XV. THE ENGLISH LANGUAGE, LITERATURE, AND RHETORIC.

Rhetoric and Composition. MM.

Outline History of English Literature and the Study of Masterpieces. MM.

Studies in Tennyson. M.

Studies in Browning. M.

Studies in Matthew Arnold and Rossetti. M.

Studies in Shakespeare. MM.

English Romantic Poetry from 1750-1830. Studies in Cowper, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, etc. MM.

Assistant Professor Blackburn offers instruction by informal correspondence in Old English.

XVI. BIBLICAL LITERATURE IN ENGLISH.

Samuel, Saul, David, and Solomon. M.

The Life of Christ in connection with the Gospel of Luke. M.

The Gospel of John. M.

**The Founding of the Apostolic Church. First Half.
M.**

XVII. MATHEMATICS.

Algebra. Three successive Majors.

Plane Geometry. Three successive Majors.

Solid Geometry. M.

College Algebra. MM.

Theory of Equations. M.

Plane Trigonometry. MM.

Special Trigonometry. M.

Analytic Geometry. MM.

Calculus. Two consecutive Majors.

Analytic Geometry. Advanced course. MM.

Analytic Mechanics. MM.

Differential Equations. Two consecutive Majors.

Professor Moore offers instruction by informal correspondence in higher Mathematics.

XLV. CHURCH HISTORY.

The Apostolic Church. MM.

The Protestant Reformation. Two consecutive Majors.

ORDER OF EXAMINATIONS FOR ADMISSION.

FOR THE WINTER QUARTER, 1895.

WEDNESDAY, DECEMBER 19, 1894.

Latin 3)	-	-	-	-	-	9:00—10:00	German 1)	-	-	-	-	-	-	2:00—3:00
Latin 1)	-	-	-	-	-	10:00—11:00	German 2)	-	-	-	-	-	-	3:00—4:00
History of the United States	-	-	-	-	-	11:00—11:30	Greek 4)	-	-	-	-	-	-	3:00—4:00
History of Greece	-	-	-	-	-	11:30—12:15	Algebra	-	-	-	-	-	-	4:00—5:00
Latin 2)	-	-	-	-	-	12:15—12:45								

THURSDAY, DECEMBER 20, 1894.

German 3)	-	-	-	-	-	9:00—10:00	English	-	-	-	-	-	-	2:00—3:30
Greek 3)	-	-	-	-	-	9:00—10:00	Solid Geometry	-	-	-	-	-	-	3:30—4:15
French 2)	-	-	-	-	-	9:00—10:15	History of Rome	-	-	-	-	-	-	4:15—5:00
French 1)	-	-	-	-	-	10:15—11:00	Botany	-	-	-	-	-	-	4:15—5:00
Greek 1)	-	-	-	-	-	11:00—12:15								

FRIDAY, DECEMBER 21, 1894.

Plane Geometry	-	-	-	-	-	9:00—10:00	Latin 4)	-	-	-	-	-	-	1:30—2:45
Physics	-	-	-	-	-	10:00—11:30	Geology, Astronomy, Physiography	-	-	-	-	-	-	1:30—2:30
History 2 a)	-	-	-	-	-	11:30—12:30	Biology	-	-	-	-	-	-	2:30—3:30
							Latin 5)	-	-	-	-	-	-	2:45—3:30
							Greek 2)	-	-	-	-	-	-	3:30—4:00
							Chemistry	-	-	-	-	-	-	3:30—5:00

EXAMINATIONS FOR ADMISSION.

FOR THE SPRING QUARTER, 1895, MARCH 20, 21, and 22, 1895.

FOR THE SUMMER QUARTER, 1895, JUNE 19, 20, and 21, 1895.

FOR THE AUTUMN QUARTER, 1895, SEPTEMBER 18, 19, and 20, 1895.

NOTE.—*The order of examinations is the same each Quarter.*

CALENDAR FOR 1894-95.

July 1.	Sunday	FIRST TERM of Summer Quar- ter begins.	Jan. 2.	Wednesday	WINTER MEETING of the <i>Uni- versity Convocation.</i>
July 2.	Monday	THE CONVOCATION SERMON. MATRICULATION of incoming students.	Jan. 6.	Sunday	THE CONVOCATION SERMON.
		SUMMER MEETING of the <i>Univer- sity Convocation.</i>	Feb. 8.	Friday	WINTER MEETING of the <i>Uni- versity Union.</i>
		Exercises in connection with the opening of <i>Ryerson</i> <i>Physical Laboratory.</i>	Feb. 11.	Monday	FIRST TERM of Winter Quarter ends.
July 4.	Wednesday	INDEPENDENCE DAY; a holiday.	Feb. 12.	Tuesday	LINCOLN'S BIRTHDAY; a holi- day.
Aug. 10.	Friday	SUMMER MEETING of the <i>Uni- versity Union.</i>			SECOND TERM of Winter Quar- ter begins.
Aug. 11.	Saturday	FIRST TERM of Summer Quar- ter ends.	Feb. 22.	Friday	WASHINGTON'S BIRTHDAY; a holiday.
Aug. 12.	Sunday	SECOND TERM of Summer Quar- ter begins.	Mar. 1.	Friday	LAST DAY for handing in <i>regis- tration cards</i> for Spring Quarter.
Sept. 1.	Saturday	LAST DAY for handing in <i>regis- tration cards</i> for Autumn Quarter.	Mar. 23.	Saturday	LAST DAY for handing in <i>Theses</i> for the Doctorate and the <i>Degree of Bachelor of Di- vinity</i> to be conferred at the <i>July Convocation.</i>
Sept. 19-21.	Wednesday	AUTUMN EXAMINATIONS for <i>ad- mission to the Academic</i>	Mar. 24.	Sunday	SECOND TERM of Winter Quar- ter ends.
	Thursday	<i>Colleges.</i>			QUARTERLY RECESS.
Sept. 22.	Saturday	SECOND TERM of Summer Quar- ter ends.	Mar. 25-31.		QUARTERLY RECESS.
Sept. 23-30.		QUARTERLY RECESS.	April 1.	Monday	FIRST TERM of Spring Quarter begins.
Oct. 1.	Monday	FIRST TERM of Autumn Quar- ter begins.			MATRICULATION of incoming students.
		MATRICULATION of incoming students.			SPRING MEETING of the <i>Uni- versity Convocation.</i>
		AUTUMN MEETING of the <i>Uni- versity Convocation.</i>			LAST DAY for receiving appli- cations for fellowships.
Nov. 9.	Friday	AUTUMN MEETING of the <i>Uni- versity Union.</i>	May 1.	Wednesday	ANNUAL ASSIGNMENT of <i>Fel- lowships.</i>
Nov. 10.	Saturday	FIRST TERM of Autumn Quar- ter ends.	May 10.	Friday	SPRING MEETING of the <i>Univer- sity Union.</i>
Nov. 11.	Sunday	SECOND TERM of Autumn Quar- ter begins.	May 11.	Saturday	FIRST TERM of Spring Quarter ends.
Nov. 29.	Thursday	THANKSGIVING DAY; a holiday.	May 13.	Sunday	SECOND TERM of Spring Quarter begins.
Dec. 1.	Saturday	LAST DAY for handing in <i>regis- tration cards</i> for Winter Quarter.	May 30.	Thursday	MEMORIAL DAY; a holiday.
Dec. 19-21.	Wednesday	WINTER EXAMINATIONS for <i>ad- mission to the Academic</i>	June 22.	Saturday	SECOND TERM of Spring Quarter ends.
	Thursday	<i>Colleges.</i>			LAST DAY for handing in <i>Theses</i> for the Doctorate and the <i>Degree of Bachelor of Di- vinity</i> to be conferred at the <i>October Convocation.</i>
Dec. 22.	Saturday	SECOND TERM of Autumn Quar- ter ends.			QUARTERLY RECESS.
		LAST DAY for handing in <i>Theses</i> for the Doctorate and the <i>Degree of Bachelor of Di- vinity</i> to be conferred at the <i>April Convocation.</i>	June 23-30		QUARTERLY RECESS.
Dec. 23-31.		QUARTERLY RECESS.	July 1.	Monday	FIRST TERM of Summer Quar- ter begins.
1895.					MATRICULATION of incoming students.
Jan. 1.	Tuesday	NEW YEAR'S DAY; a holiday.			SUMMER MEETING of the <i>Uni- versity Convocation.</i>
		FIRST TERM of Winter Quarter begins.			
Jan. 2.	Wednesday	MATRICULATION of incoming students.			

STATED MEETINGS.

TRUSTEES, FACULTIES, AND BOARDS.

The *Board of Trustees* holds stated meetings on the last Tuesday of each month.

The monthly meetings of *Faculties and Administrative Boards* are held on Saturdays, from 8:30 A.M. to 1:00 P.M. as follows:

First Saturday.

8:30- 9:30—Administrative Board of Physical Culture and Athletics.

9:30-11:00—Administrative Board of the Academic Colleges.

11:00- 1:00—The University Senate.

Second Saturday.

8:30- 9:30—Administrative Board of Affiliations.

9:30-11:00—The University Council.

11:00- 1:00—Faculty of Morgan Park Academy.

Third Saturday.

8:30- 9:30—Administrative Board of the University Press.

9:30-11:00—Joint meeting of the Administrative Boards of the Graduate School of Arts and Literature, and the Ogden (Graduate) School of Science.

11:00- 1:00—The Faculty of Arts, Literature, and Science.

Fourth Saturday.

8:30- 9:30—Administrative Board of the University Colleges.

9:30-11:00—Administrative Board of Libraries, Laboratories, and Museums.

11:30- 1:00—The Divinity Faculty.

The University Extension Faculty meets on the first Monday, at 5:00 P.M.

OFFICIAL PUBLICATIONS OF THE UNIVERSITY OF CHICAGO.

The *Annual Register* is issued about July 1st of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

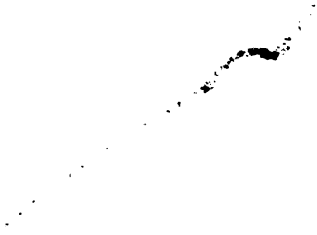
The *Quarterly Calendar* is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the registration of students during the quarter, and lists of courses of instruction to be offered during succeeding quarters.

The *Circular of Information concerning the Departments of Arts, Literature, and Science* contains full information as to admission to the Schools and Colleges of these departments and statements concerning the requirements for degrees.

The *Circular of Information of the Divinity School* contains all information concerning the Divinity School, admission, courses, etc.

The *Circulars of Information of the University Extension Division* contains lists of lectures and courses offered, statement of correspondence work, class work, etc.

Departmental Programmes are issued by all the departments of instruction, and give details of the work of the departments that cannot be given in the REGISTER or the CALENDARS.



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The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues, and can be reached by the Cottage Grove Avenue cable cars (from Wabash Avenue), by the Illinois Central Railroad, to South Park station, or by the Sixty-first Street electric cars from Englewood station.

There is a Baggage Express office and a Western Union telegraph office at the University.

The telephone number of the University is Oakland-300.

It will be sufficient to address any correspondence relating to the work of the University to

THE UNIVERSITY OF CHICAGO,

Chicago, Illinois.

The University

PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE NINTH UNIVERSITY CONVOCATION, JANUARY 2, 1895.

*THE UNIVERSITY AND ITS RELATION TO QUESTIONS OF THE TIMES.**

ADDRESS BY

THE HONORABLE SETH LOW, LL.D.

PRESIDENT OF COLUMBIA COLLEGE,
NEW YORK, N. Y.

MR. PRESIDENT AND FRIENDS OF THE UNIVERSITY OF
CHICAGO:

It gives me pleasure to bring to the University of Chicago the greetings of Columbia College with her hundred and forty years of honorable history behind her. If the past of your own University covers but a short period, there is no reason why you should not, as you gaze into the future, claim the coming centuries for your own. It is hardly too much to say that with the exception of churches and municipalities, universities enjoy a longer life than almost any other form of organization with which the history of men has been identified. Oxford and Cambridge have seen dynasties follow one another even in conservative England, almost like the procession of the equinoxes, while the universities of the Continent, in many cases, have outlived dynasty and kingdom alike. On this side of the Atlantic, universities have developed the same characteristic of longevity. Harvard University, with its more than 250 years of life, is one of the oldest organizations of any kind in the country. Yale has nearly completed its 200 years of existence, while Princeton, the University of Pennsylvania, and Columbia have almost reached the goodly age of a century and a half. A fact so general is not to be explained as an accident. It means that in the experience of men, under modern conditions and in the New World no less than under ancient conditions and in the Old World, a university represents something of permanent value to mankind.

I am especially glad to bring my greetings to the

University of Chicago, because no work that is being done today within the limits of the United States seems to me to appeal more powerfully to the patriotic sympathy of the American people than this attempt which is being made to lay broad and deep in the city of Chicago the foundations of a really great university. In all ages there have been cities that have played important parts in the history of the world. Ordinarily, such cities have been at once the best expression of the life of the country in which they were located, and at the same time themselves the altars at which the life of the country has been itself inspired. It may indeed be said of Athens that the city was not so much the expression of Attica's wealth and power as it was the expression in municipal form of the intellectual life of Greece. But if Athens was not so much made by Attica, so neither has its influence been affected by the overthrow in a common ruin of all the provinces of Greece. The men who thought and wrought and taught in Athens are the inspiration still of much of the best philosophy and art and thinking of our day. It would be impossible to point to a city that has exerted an influence more constant and more far-reaching than this city of an ancient race whose modern representatives count for so little. The city of Rome, on the other hand, at once conquered the world and was in its turn made what it was by the world which it conquered. The old saying that "All roads lead to Rome" is only one-half of a great truth. It is just as true that all roads lead out of Rome as that all roads lead into it. In other words, if the

* *The Auditorium*, January 2, 1895, 8:00 P.M.

imperial city gathered into itself the spoils and the riches of a subjugated world, it also sent out over the same military highways the influences which, down to our own day, have given laws to the continent of Europe and to many portions of the New World.

Similarly, in our modern days, Paris is the epitome of France; while London is the metropolis of the world because it is the center not only of the island life but also of the world life of the English people. But if Paris is the epitome of France and London of Great Britain and its world-embracing empire, so out of Paris and out of London proceed reflex influences that powerfully affect the life of France and the life of England's wide-spreading domains.

The same law holds true in the New World as in the Old. It is characteristic of our American life and it is also significant of its continental character that the United States does not express itself in any such complete way as either France or England through a single city. New York upon the east is the meeting place of Europe and America. San Francisco on the west is the meeting place of Asia and America. New Orleans on the south embodies the life of the Mississippi Valley as it touches the sea on our southern border; while Chicago is the expression of the great life of the interior of this country that stretches from ocean to ocean and from the Gulf to the Great Lakes. Just as New York is the expression in city form of the great continent that pours its wealth through the city's streets in exchange for the products of Europe, so Chicago is the result of the abounding life of the interior finding its expression in a city already of world-wide fame. Nothing in the literature of fairy tales is more wonderful than the rapidity with which the frontier military post at Fort Dearborn has become the great city of Chicago. But this discussion has been wholly unavailing if it is not clear that the influences upon the life of the people of the United States proceeding from Chicago are in direct proportion to the contributions which the city receives from the country and which have made the city what it is. That is why I say that the effort to found a great university here awakens both the gratitude and the enthusiasm of all patriotic Americans. Chicago is already a center of power of the first magnitude upon the life of the United States, and it seems to be clearly destined to exert more and more influence as time goes on. An intellectual center such as a university, if thoroughly well established here, is therefore in a position where its influence will be felt far and wide over the whole land.

What, then, does a university stand for, and why should men rejoice that the University of Chicago is so full of promise? I have already pointed out, in

general terms, that it stands for something enduring as shown by the fact that time, which proves all things, almost always permits universities to endure. In America, and in common speech, the word university is often used as though it signified the same thing as a college. Educators are beginning to realize that it stands for something quite different. In the meantime, it is interesting to consider what would be the significance of this movement if the University of Chicago were to be nothing but a college. A college may easily be a part of a university, that part of it which aims to give a liberal education. It is sometimes said that the glory of the American college is that it makes effective men. It is interesting to consider what might naturally be expected to be the outcome even of a successful college in the city of Chicago. I suppose that the University of Columbia College, on its college side, is as typical a city college as this country can produce. Like all the other old American colleges, it has contributed during every generation some men of the first rank to the public life of the times. It is interesting to notice how characteristic of the city of New York the achievements of some of these men have been. Take illustrations, if you please, from one generation to another. At the beginning came Alexander Hamilton, of whom Webster said, you remember, "He smote the rock of the national resources and abundant streams of revenue gushed forth; he touched the dead corpse of public credit and it sprang upon its feet." Then came De Witt Clinton, the builder of the Erie Canal, an enterprise that enriched New York certainly, but which contributed even more to the internal development of the country. Clinton, in turn, was followed by Hamilton Fish, whose services in connection with the settlement of the Alabama claims have secured for him the grateful remembrance of his countrymen; and in these later days sons of Columbia have been honorably prominent in whatever progress is making towards a solution of the great problem of the better government of cities. Each one of these achievements is in line with some one of the dominant aspects of the life of the city of New York, as though the spirit of the city had entered into the student and had determined, in part, his subsequent public career. In the direction of scholarship, the same effect is seen. Charles Anthon and Henry Drisler, names everywhere dear to Columbia men, were among the first to introduce German classical scholarship to the students of this country. If one may argue from this analogy, it would not be unreasonable to believe, for instance, that out of a college in Chicago there might come in time a man who will bring about some satisfactory

solution of the great railroad problems of the country and of the difficult labor questions involved in the operation of these great lines of internal communication.

But a university is something more even than a college, and much as I should rejoice in the establishment in Chicago simply of a good college, I rejoice still more in the establishment here of what promises to be in time a fully developed university. A university, in a word, is the highest organized expression of the intellectual needs of men. It is in the nature of a child to ask questions. A child indeed may ask questions that the wisest man cannot answer. One such child I knew who asked his father "what there was before there was anything and what it looked like." The problem of creation, as well as the whole science of biology, is in that single question. The child does not change his nature in becoming a man. A university, therefore, may be said to be, at least in one of its aspects, the organized expression of the questioning spirit of man. In whatever direction he moves, man finds that sooner or later he reaches the limit of his knowledge, but he does not for that sit down and be satisfied. On the contrary, he is constantly trying to convert the unknown into the known, at the least to open up a vista through which man may look a little farther into the regions of mystery that surround his life. Every advance in our knowledge of the universe we inhabit, every increase in our knowledge of our own race, has been made by this process. It means very much that in a city like Chicago, so new in every respect, the ambition has already been stirred to play a part in the intellectual achievements of mankind, as well as in the material triumphs of our own land. It is a great thing for any city to feel that its life is ministering to the welfare of the race as well as to the glory of its own country.

Again, universities through their libraries are the great conservators of the knowledge that has been accumulated from generation to generation, and they train men to become familiar with this knowledge that they may be able to carry each generation up to the limit of what is already known. When a really great man comes along, he advances human knowledge in some field beyond its former limits. To train such men and to give them their opportunity is the crowning glory of a university. There are, of course, great libraries not connected with universities, but the university presents in its happiest illustration the unique combination of the book and the scholar who is to use the book. President Gilman said a short time ago that there were three stages in the history of great libraries. The first stage is the simplest one of all, the accumulation of the books; the second stage is the

development of the methods for making the books freely accessible to those who wish to use them; the third and final stage is to have the libraries used for the production of genuinely great and enduring books. In the first two stages, we in America may fairly claim to have made good progress. There are now in this country several really important collections of books, while the American talent for contrivance has resulted in making these books more accessible to the readers than the books of any European library are. Perhaps we should have to confess as to the third stage that thus far American libraries are not greatly associated with the production of world-famous books. That is because America has not yet produced the great scholars capable of writing such books. It is probable enough that such men have been born, but they have lacked the opportunity of university training and of libraries within which to work. More and more, as the university and the library are developed together, we may hope to produce such scholars and to rejoice in the fame which their achievements will win in the eyes of civilized men.

Again, it is for the most part in the laboratories of the universities that the natural laws are discovered that lead to new inventions of every sort. No more typical university man has lived in our day than the great von Helmholtz, who came to this country a year ago to attend the Columbian Exposition at Chicago. The inventor of the telephone, Alexander Graham Bell, came all the way from Halifax to say to him that the discovery of the telephone was directly traceable to his researches in regard to the laws of sound. Mr. Steinway, the piano manufacturer, attributes many of the most important improvements in the pianoforte to the same investigations. Thus from researches of the most abstract character conducted in the university, the world is reaping practical advantage in innumerable forms. After the battle of Jena the Prussians were reduced to the depths of despair. Their first step towards rebuilding the kingdom was to found the University of Berlin. The most careful inquiry was had as to where the new university should be located. The choice was deliberately made of the great city. Sedan followed Jena in less than sixty-five years. At first sight nothing would seem further removed from successful war than a great university. But by common consent it was the thinking bayonet that gave to Germany its triumph in the war of 1870, and the universities of Germany furnished the men to devise and to conduct the great system of public education which, in so short a period, has lifted Germany from the humiliation of despair into the first rank among the nations.

Two reflections flow from these facts; first, that the University of Chicago is well placed in being located in a great city, and second, that the possibility of the serviceableness of universities to America cannot be over-estimated. In whatever domain of abstraction these services begin, they do not end until the limit of practical usefulness is reached wherever men engage in occupations of value to mankind.

If now I am to speak of the relations of the universities to the problems of the times, I should like to point out first of all what I conceive ought to be one of the most important effects of either a college or a university education upon a young man. It ought to give him perspective. It should enable him to see the problems and the achievements of the present against the background of the past. This effect is particularly to be desired in our day when modern science has so changed all the relations of man to society and to the world that we have come to accept a new change, no matter how fundamental it may be, as a matter of course. In such a day, it is especially important that every community should contain some men who do not forget that there have been wise men in days gone by as well as in our own generation; some men who will appreciate that the experience of mankind during all these hundreds of years upon the planet has settled some things once and forever. There is, however, a certain danger connected with this knowledge that needs to be guarded against. Emerson says: "When men read history they read involuntarily as superior beings." This, as it seems to me, is the striking statement of a suggestive truth. When we read "Cæsar's Commentaries" we keep company with Cæsar. We never identify ourselves with the legionaries whose simple function it was to carry out his commands. Cæsar's strokes of generalship we approve, as those which we ourselves would have made in the like case. His mistakes, so far as we are able to recognize them, we think we should have avoided. So, as we read of Luther before the Diet of Worms, standing alone and undismayed in the midst of that unfriendly tribunal, we identify ourselves with him, and feel that we, too, should have uttered in that august presence those ever memorable words, "Here I stand; I cannot otherwise; God help me, Amen." It is to this trait of the human mind, I think, which leads us to identify ourselves with the great and good of whom we read, that we owe the disposition, more or less prevalent among men at all times, to think of their golden age as lying in the distant past. We know that this was the case with the ancients; we recognize it to be true in a large degree of ourselves. Americans are apt to think of the Revolutionary epoch

as a time which was free from many of the troubles of which we complain today, as a time when patriotism was purer, when intelligence was greater, when self-sacrifice for the common good was the usual characteristic of men. In church history the same tendency has been so strong as to lead large classes of people deliberately to assume that the early Christian centuries should be our models, even in matters of detail. Such men say that the church in its nature is like a fountain, so that the further the stream reaches from its source the more turbid become its waters. It is interesting to remark that no such conception of the church is presented by its divine Founder. On the contrary, his statement was to this effect, that "the Kingdom of Heaven is like a little leaven which a woman put into a measure of meal until the whole was leavened." In other words, the picture of the church which he presented is one of progressive improvement until the consummation is reached. These illustrations show the natural tendency of the mind to think better of the past than of the present. The first word, therefore, which I should wish to say to young college men about to begin life would be to beware of this tendency. No man yet ever lived largely and helpfully in the world who was not filled with an inspiring conception of his own times. Not behind us, but before us, must be our golden age, if you and I are to feel the full inspiration of life in this day and country. I cannot too strongly urge upon you this forward-looking spirit, this courageous anticipation that better times are before the world, whose advent our own efforts may help to usher in. But while this is so, this truth, like every other, is two-sided. If we would avoid the mistake of finding our ideals in the past, we must equally avoid the other mistake of undervaluing the past. It is a heritage greater than we realize to be "the heir of all the ages," and those who wish to live most helpfully now must live as those who are conscious of their indebtedness to the ages that are gone. Horace states the law in this matter, as in many others, when he says: "In the middle way you will go safest." Interpreted to mean, that one should avoid all acquaintance with extremes, this utterance is the motto of the commonplace. Interpreted to mean, on the other hand, the nice equipoise resulting from the counteraction of opposing forces, this utterance indicates the law not of greatest safety only, but of greatest efficiency. Therefore I should say to the man who has conceived of his own times worthily, have no fear of conceiving worthily of the past also. It is a great thing for a man to be familiar with the noble thoughts of the ancients, to know something of the heroic deeds of humanity during all the

ages. It is only by such knowledge as this that we are able to think justly of our own day, to appreciate what really is progress, and to ascertain the direction at least in which is to be found the star of hope. I assume that the college man will have this acquaintance with the past, and this reverence for experience in larger measure than those whose training has been of another sort. His dangers are of a different kind. He is likely to be either a mere theorist, or else so much in sympathy with the past as to be out of touch with the present. I can recall no single phrase which has lingered in my memory from college days to greater profit to myself than a remark once made to me by our professor of philosophy. "Remember," he said, "there is no theory in the abstract so perfect that in its application to human affairs it does not need to be modified." The college man has need at every turn to remember this. Conditions must be considered, and, above all, time must be given for any large result. Changes in sentiment among great masses of men are not wrought with the rapidity of an explosion. The process is more like, in kind, to the growth of crops, that need the intelligent preparation of the soil, the rain and sunshine of many days, the patience, the watchfulness, and the labor of many husbandmen before the harvest can be gathered in. Do not misunderstand me. I do not ask you to lower your ideals. On the contrary, I believe it to be particularly your function to be true to your ideals, to hold up continually in the face of the great people an ideal so high, so true, so winsome, that they never can be at ease except as they are making progress toward it.

Consider, for example, this question of Civil Service reform. If history teaches anything, it is perfectly clear that no nation can permanently enjoy the full blessings of liberty which permits the patronage of government to be employed systematically to sustain the powers that be, whether right or wrong. It is no answer to this to say that for sixty years public sentiment in the United States has permitted the spoils system to exist, and that the United States today, in all that makes a nation great, are vastly stronger and greater than when the spoils system was inaugurated. The United States have been, and still are, full of the vigor of lusty youth. They have been able to grow and to prosper, despite excesses of many sorts. The spoils system seems to me the mark of partial development. Civilization on the frontier is rough and ready. There is a reckless freedom about it which many enjoy, but the wild freedom of the frontier is no substitute after all for the freedom within and under the protection of the law, which is the characteristic of Anglo-Saxon

civilization. It is not an unnatural thing that the spoils system should have grown up in this new country. As George William Curtis pointed out not long ago, it is simply the use by party of the great weapon whereby the king in every monarchy has rewarded his friends and punished his enemies. If Americans are content to be ruled by parties for the profit of party managers, to substitute the party for the king, instead of dealing with parties as agencies through which they will rule themselves, the spoils system will endure longer than it otherwise will. One palpable result to the disadvantage of liberty has already been reached. No class of people in the nation enjoy so few of the privileges of the American citizen as the subordinates in the public employ. So far from enjoying freedom of speech and freedom of action, and the right to vote as they please, the indulgence by them in any of these hard-won privileges of American manhood, if it antagonizes their superiors, is equivalent to the loss of livelihood. Their superior officers intimate their wish and the subordinate hesitates at his peril. Even high officials are frequently controlled in these matters by those who are not in the public employ at all. To such a parody of freedom has the spoils system reduced service in the employ of the American people! I venture to believe there is no service in the country today more fatal to self-respecting manliness, more warping to the moral sense, than employment in the subordinate Civil Service of the land when the employé is not protected by law. I am denouncing the system, not the men who are the victims of it. With many and many of them I know their "poverty and not their will consents." Now what shall the university man say of such an evil? How shall he bear himself in the presence of so great a danger to the republic? By all means let him hold up his high ideal, and let him enforce his convictions with all the wisdom he can bring from the fruitful past. But let him not expect to change public sentiment quickly, nor give way to despair if his ideal appears to make but little progress. Other nations than ours have suffered from this evil and have overcome it. Let it not be doubted for one moment that the recuperative power exists in the American people to rid themselves of this, as they have of other evils. One thing is always to be remembered of self-government as it exists in the United States. It involves often the necessity of determining by experiment the best way in which, under differing conditions, the substance of self-government is to be enjoyed. Methods that have answered well enough under certain conditions at last fail to produce the desired results. The American people, to their honor be it said, are ready always to

consider the question of remedy the moment they are persuaded of the evil.

But there are other aspects than this of administrative reform which are pressing for attention. I take it the administration of cities may fairly be considered under this head. You are all aware of the immense growth of cities in the last fifty years, so that we are confronted today, in many of our commonwealths, with the necessity of administering cities larger and more wealthy than many of the states at the foundation of the government. The drift of population toward cities is indeed one of the most remarkable features of the past century. Every census since 1820 tells the same story, and, so far as we are able to judge, this drift continues at an increasing ratio. Precisely that has happened in cities which has been alluded to. Governmental machinery, which answered well enough for the village or the town, has broken down completely in the city, so that it is a common thing today to hear men say that in our cities American institutions have been a failure. I am not prepared to admit the finality of that conclusion, although I know well the justness and the magnitude of the charges which may be brought against many of our cities. In my opinion our institutions have been disappointing as applied to cities, not so much because they cannot be successfully applied to them, as because we have not yet learned in what way to do it. Our cities have been developed out of our towns by the mere process of growth, and we have been endeavoring to administer them by methods which have indeed proven to be costly and sad failures. There are few things, however, more noteworthy in the history of the last ten years than the disposition in many states to provide our cities with charters of quite a different kind. These new city charters differ from those that have gone before them to an extent that is revolutionary. The former ideal for city government demanded division of power everywhere, precisely as it had done in the village. The new city charter, recognizing that the city, in its business aspect, is a large corporation rather than a little state, concentrates very large power in the hands of the mayor, giving to him the unrestricted appointment of all executive officials. This power, properly balanced, carries with it clearly defined responsibility, and by one stroke makes the entire executive side of city government responsive to the control of the people. At every election the voters may change the entire composition of the administrative side of the city government by simply changing the person of their mayor. This keeps alive in the officials a degree of accountability never realized before, and, to my mind, is full of

promise of good results in the future. I do not expect to see the problem of city government in America, at any time, other than a most difficult one. On the other hand, I do not expect the next decade to reproduce in our cities all the scandals of the past decade. I have referred to this question at length somewhat because of my own connection with it, and partly because it illustrates so happily the willingness of the American people to change their methods, no matter how radically, in their efforts to obtain good government. I believe sincerely that many of our most galling mistakes spring from inexperience in entirely untrodden paths rather than from any permanent inability to produce better results. This, which is true of the government of cities and of Civil Service reform, I think is also true of the methods of party management, which in so many ways have resulted in taking the real control of things out of the hands of the people and in lodging it with the managers of parties. We are just reaching the era, as it seems to me, when questions like these have grown to a magnitude to receive the attention they deserve. No one who knows anything of practical politics will pretend for a moment that they are problems easy of solution, but I think they are not problems too great for a people who have accomplished what has been accomplished in this country. To the solution of all of these problems the universities, by their study and research, surely will make important contributions. All of these problems are made more difficult by immigration, which is the next question of a political character that seems to me to be growing upon the attention of thoughtful men. It has been our glory that the United States should be the resort of all people from every land, but there are few so thoughtless as not to perceive the difficulties and embarrassments which attend so varied an immigration upon so large a scale as is now taking place without restraint of any kind. No one wishes to limit the generous welcome to our shores of all who will become good citizens, but the feeling is certainly growing that some discrimination may become necessary for our own protection. I recognize this growing feeling with reluctance, but point it out as one of the signs of the times. The question is full of difficulties, but it is an encouraging thing to be assured that thoughtful and intelligent people in every walk of life, all over the land, are having their attention called to it, and are giving it their best thought as never before.

Side by side with the political problems, so different from the dominating problems of the century just closing, society as a whole is undergoing a revolution which brings its own questions with it. It is palpable that labor troubles have assumed a new form of late

years, and that organizations of the working classes, so called, have immensely increased in numbers and in power. Some people, noticing these things and hearing the loud cries which are indulged in in some quarters in behalf, now of Socialism, now of Communism, and again of Anarchy, recall with alarm that the voting power of the country is in the hands of the many, whether or not they have property interests in it. It seems to such people that conditions like these are full of alarming portent. While I freely admit that the questions these conditions present are full of perplexity, I confess that to my mind the situation in precisely these aspects is encouraging rather than the reverse.

It is important first of all, if we can, to determine what are the peculiar features of the problem in our own times and in our own land. Two facts strike us at once. They are so patent we cannot fail to see them. They seem at first sight so antagonistic that they puzzle and bewilder us. In certain directions there has never been a time when the individual has counted for so much. In other directions, there never has been a time when the individual counted for so little. Politically, at the present time, in this country, the citizen, just because he is a man, is entitled to his vote. He may, upon election day, if he wishes, negate the judgment, and the preference of the President of the United States, as to any official to be chosen. The President of the United States in many respects is the most powerful ruler in the world. In the matter of appointments and patronage, I suppose him to be quite the most powerful ruler. But when it comes to the choice of a new president, the vote of the humblest citizen in the land is as powerful as his. Side by side with this spectacle of the political power of the individual, we seem to see the individual, as a factor in the business concerns of men, quite as strikingly disappearing. The individual capitalist is disappearing in the corporation; the individual laborer is disappearing in the trades-union.

The first question that rises to our lips in the presence of these strangely different tendencies of the time surely is, What does it mean? Is it possible that after the race has struggled for so many centuries to make the individual politically free, to secure for him the opportunity and impulse for growth involved in political and individual freedom, is it possible that, after all, individuality is to be lost by indirection, through the corporation on the one hand and the trades-union on the other? I do not think so. This strange contrast that we see is only a new illustration, the illustration of our own times, of that great law of social as well as of physical life, the opposition of

forces. Were it not for gravity the revolution of the globe would throw us all violently into space; were it not for the revolution of the globe, gravity would fasten us to the earth. By the opposition of these two forces, the equilibrium is adjusted so nicely that a fly can walk. Were it not for conservatism among men, progress always would be revolutionary; were it not for liberalism, conservatism would make life stagnant. By the opposition of these two forces, wherever the equilibrium is maintained, social progress is both steady and orderly. If my premise be correct, it becomes us then, first of all, not to be discouraged by the apparent difficulties before society incident to the presence in our midst of these two antagonistic tendencies. What we are to do is to find their equilibrium. So considered, they furnish, instead of ground for fear, the best ground for hope that the transition of society from the old order to the new will be a movement towards more permanent and better conditions. It often has been dwelt upon that the last fifty years have witnessed a revolution throughout the civilized world in the methods of travel, in the methods of communication, largely also in the manner of living, greater than can be traced through century to century from the beginning of recorded history down to this epoch. Men say that this is the result of the great advances made during the last fifty years in physical science. No doubt it is. But it is important to notice that the fullness of time did not come for science until human history had reached the point where these two antagonistic tendencies touching the individual had become, both of them, ready for their consummation. In other words, that seems to me to have happened to society which happened for literature when printing was discovered. Only when the type had been individualized, only when each type came to represent a single letter, was the era of combination reached. So now, as I conceive, we have reached in human society and in this country, in its highest form, the era of combination. Some one has said that when printing was discovered, it seemed as though "a new fiat for light had gone forth from the lips of the Almighty." Does it not seem, as one reflects upon the mighty changes which have wrought since the hidden forces of nature have been placed at the service of combining society, does it not seem as though in a very real sense, the time was already upon us when the Lord "will make all things new?" For this at least may be said: Combination implies community of interests. It is not utter selfishness. So that whatever selfish abuses may be traced to it are abuses working in defiance of its own fundamental law. If this be a correct conception of our times, it follows,

does it not, that combinations among workmen and combinations among capitalists, the trades-union and the corporation, are in no necessary sense antagonistic to each other, any more than gravity working upon us is antagonistic to gravity working upon our antipodes. They are simply different manifestations of the same force, the force which emphasizes the inter-dependence of society as against the individualizing forces of popular liberty. The forces which work in society are like the physical forces of the universe, in this respect at least, that they operate according to fixed law. The problem of mankind as to both kinds of forces is the same, to ascertain the laws of their operation. Until this is done, the force which is waiting to be our servant, baffles, perplexes, troubles us. The method of ascertaining the law is the same in both cases, experimentation and inquiry. It is easy to see where the university has its part in this double process. The present relation between labor and capital in this country seems to me simply to reflect the fact that we have not yet learned the laws which control the new forces that are expressing themselves in combinations of labor and of capital alike. People have said "labor must combine because capital combines," and instantly there has arisen an unmistakable sense of antagonism between the two forms of organization. The point I wish to emphasize is, that this is not the reason why labor combines. In the present age labor would combine even if it were conceivable that capital did not. Combined labor, as matter of fact, does make the same demands of the individual employer as it makes of the corporation. The two forms of combination, the combination of capital and the combination of labor, are not antagonistic, they are only different expressions of the same force. This truth is of utmost consequence. It goes to the root of many of the troubles which have marked in recent years the so-called conflict between capital and labor. It is as necessary that it should be laid to heart by the capitalist as by the laborer. Two results should flow from it. The belief that the tendency towards combined action on the part either of capital or of labor is not to be regretted; and the earnest purpose to ascertain the laws that govern and to recognize the limit of safety in this tendency. It is clear that great mistakes have marked the progress of society towards completer organization both along the lines of capital and of labor. I cannot see that one form of combination is more free from just blame than the other. The directors of corporations have ridden over the minority rough-shod. They have organized subsidiary corporations for their own benefit, to absorb the profits of the parent concern. They have managed with

as little thought as possible for the interest of stockholders not in sympathy with the direction. The directors of labor organizations have been equally regardless of the interests of their minority. Strikes have been ordered against the interest of the minority, and their rights have been disregarded at the pleasure of the majority. Individual laborers are persecuted and denied the right to earn their own living, except by permission of the organization and upon terms satisfactory to it. All these sorts of troubles, however, it is to be noted, are sins of capitalists against capitalists and of labor against labor. It is only the old story, under the modern form of combination, of the oppression of the weak by the strong. But there is a class of faults chargeable equally to both kinds of combination, which in each case pass beyond their own lines. The corporation has debauched legislatures and corrupted judges. It has employed the best legal talent to be obtained, to enable it, while keeping within the letter of the law, to circumvent its purpose. It has acted as though the community had no rights which a corporation might not violate, provided it could do so without a personal liability on the part of its management. The labor organization, on the other hand, has assaulted society in ways as dangerous and as far reaching. By its doctrine of sympathetic strikes, it has made the innocent suffer far and wide. It has attempted to take society by the throat, in response to its motto, "an injury to one is the concern of all." The difficulty is not with the motto, but with its application. Once adopted by society as a whole, no better motto need be asked for. Taken as a watchword by one section of society against all others, it threatens to divide every community into hostile camps. All this type of wrongs, whether practiced by the capitalist or the laborer, are not wrongs of capital against labor or of labor against capital; they are wrongs in each case against society as a whole perpetrated under the forms of organization. Every good citizen, whether he be a capitalist or a laborer, is bound to denounce and resist both equally, whether the wrong proceeds from capital or from labor.

Up to this point, therefore, it is evident we have not touched upon the influences that must be held responsible for the impression that there is a conflict between labor and capital, and that labor must organize because capital does. In one particular, the adoption of the corporate form by capital has importantly and directly affected its relation to labor. The employer, under the corporate form, is no longer the individual with his human sympathies and his close personal contact with those whom he employs. The employer is actually a "body corporate," not seldom

both without soul and without conscience. Boards of directors, in such cases the responsible employer, filled with the thought that in fact they are trustees, too often have believed that their trust on behalf of the stockholders was a money trust simply. They have felt under obligations to get the most labor for the least pay. They have not always felt it a concern of theirs to protect the reputation of their stockholders for fair dealing and regard for those in their employ. So much has this been so that I have heard it said a man would rather work for the meanest individual he ever knew than for the best corporation. No doubt this, literally taken, is an exaggeration. I do not believe that the statement misstates what has been the tendency. If I am right, it is in its attitude as an employer that combined capital has created the impression of capital's antagonism to labor. It is here, also, if anywhere, that that impression may be most largely removed.

In one other respect I think the action of combined capital has strengthened this impression. I have been speaking of combined capital in its simplest form, in the single corporation. Think of it for a moment in its further development, where many corporations combine in a pool or a trust. Every such combination seeks only the good of the stockholders. Who ever heard of one being formed to enable the combination to pay higher wages, or to provide better accommodations for their workmen? Who ever heard of a fixed proportion of the artificial price so obtained being set aside for the benefit of labor? So long as such combinations think of the stockholder only, capital must not wonder that it excites the antagonism of labor and incurs the ill-will of society, so far as society is not a direct sharer in the benefits. These two points seem to me the only ones where capital and labor in our own day have been seriously in direct conflict. Unhappily, the antagonism here has been direct enough and potent enough to account for the prevalent feeling on the part of labor that labor's relations to capital must be, and can be safely, only for self-defense and for aggression. So long as this feeling lasts, it is aggravated as much by the attitude of labor as by the attitude of capital. From the nature of the case, however, I think this is only a passing phase. The first impulse with both forms of organization has been to try their strength. They try it upon each other and they try it upon society. These efforts constitute the experience by which, in time, both forms of organization will learn the limits of their power and the laws of their own usefulness. If I am right, the

remedy lies in a changed bearing on the part of the corporation towards labor, whereby every thought for the stockholder shall involve a thought for the laborer, every benefit for the stockholder some benefit for the laborer. Every such change on the part of the corporation, it may be hoped, will be responded to in time by a corresponding change in the attitude of labor. The tendencies of our time in other directions have augmented the difficulty, which would have been troublesome enough in any case. The great improvements in machinery, the development of steam and electricity as servant forces, have resulted in an enormous increase in the power of production. This has been accompanied by a subdivision of labor, which has frequently made the occupation of the individual workman less and less interesting. Instead of one man making a shoe and enjoying the range of occupation and thought involved in the various parts of the process, sixty men now make sixty different parts, each man's work, in most instances, being as mechanical as that of the machine he attends. Is it not fortunate for his manhood and for society that the man who is thus made so much a machine has become in the realm of politics more and more a man? This belittling of the daily life that has come to so many workmen has aggravated, I do not doubt, the sense of antagonism to capital, for the same influences that have reduced the workingman in his daily scope have widened indescribably the privilege and opportunity of capital. Has capital appreciated as it should the responsibility and the duty which comes with the privilege? I do not think envy is a stronger force today than it always has been. Differences of condition count for something, no doubt, but the only antagonisms that are dangerous are those that spring from grievances that are genuine.

It is clear that for the discussion and settlement of questions such as these, the universities are in a position to render most effective service. Both employers and workmen naturally bring to the subject much more detailed knowledge, but both think and speak and act as partisans. The university, on the other hand, brings to the study of such problems the same spirit which it throws into the study of the operations of nature, the same patient observation, the same wide reading, and the same all-controlling loyalty to truth. I congratulate Chicago, and I congratulate the United States, that here, in the midst of the seething life of this active and masterful population, the University of Chicago has begun its work, as one of the factors henceforth in the solution of the social problems of our times.

**THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY FOR THE
QUARTER ENDING DECEMBER 31, 1894.**

MEMBERS OF THE UNIVERSITY, TRUSTEES, COLLEAGUES,
STUDENTS, AND FRIENDS:

Of the year's seasons, none is more appropriate for the purpose of our Convocation, none more consistent with its spirit than the holidays. At this time our hearts are full of joy and gladness, for the world has just engaged in mutual interchange of tokens of love. That which Christianity represents—peace and good will toward men—in this period receives strongest emphasis. At this time, too, our minds are full of new and nobler purposes with reference to the future. And even should these fail of accomplishment, to have purposed and have failed is better than never to have purposed. In order to live, one must have ideas; and the experiences of life after all include its ideals.

We ask ourselves, therefore, and our friends about us ask, what has been the nature of our life at the University these past few months? How stand we today? To what, in the immediate future, are we looking forward? If there is monotony in the answers which I make tonight; if there seems to you to be a sameness, as you compare these statements with those which have before been made, you may charge this sameness to the speaker; for, although our life has been a scholastic life as in preceding years, although we have worked along the same lines as before, the life itself has not been characterized by monotony, nor has it known anything of this sameness. In many respects it has been a new life, since we have dealt individually and as an institution with new questions, or, at all events, with new phases of old questions.

The Enrollment.

The number in attendance during the quarter has been 1019, an increase of 271 over the attendance of the Autumn Quarter of 1893, which was 748; this increase is distributed as follows:

The Graduate School, from 232 to 305.

The Divinity School, from 159 to 213.

The University and Academic Colleges, including Unclassified students, from 357 to 501.

The per cent. of increase is a little over thirty-three and one-third.

The geographical distribution of students in the Autumn Quarter of 1893 and the corresponding Quarter of 1894 is indicated by the following tables:

AUTUMN QUARTER. 1893.	Chicago.	Illinois.	Middle West.	New England and Mid. States.	South.	Far West.	Foreign.
Graduate School ...	46	30	57	45	25	11	17
Divinity School	19	22	43	27	11	9	31
The Colleges { Univ.	11	8	14	9	2	2	..
{ Acad.	106	50	29	21	9	9	4
Unclassified	29	20	6	18	5	9	..
TOTAL	211	130	149	120	52	40	52

AUTUMN QUARTER 1894.	Chicago.	Illinois.	Middle West.	New England and Mid. States.	South.	Far West.	Foreign.
Graduate School	58	37	94	35	37	16	16
Divinity School.	30	26	65	33	15	24	13
The Colleges { Univ.	23	16	9	7	3	5	2
{ Acad.	157	70	54	16	7	7	4
Unclassified	51	14	23	10	7	7	9
TOTAL	319	163	245	101	69	59	44

Of the 232 Graduate Students during the Autumn Quarter, 1893, 89, i. e., more than 33 per cent, have been enrolled as students in the Autumn Quarter, 1894; 12 had become members of the University staff, and 5 continue their advanced studies as non-resident students; 9 received the degree of Doctor of Philosophy, 11 that of Master of Arts, and 2 that of Master of Philosophy.

Of the 159 Divinity Students, 10 received the degree of Bachelor of Divinity from the University; the Theological Union conferred the degree of Bachelor of Theology upon 6 candidates, and giving to 9 the English certificates.

Of the 43 University College Students in residence during the Autumn Quarter, 1893, 8 were in the University Colleges in Autumn Quarter, 1894; 14 received the degree of Bachelor of Arts, 5 that of Bachelor of Philosophy, and as many that of Bachelor of Science. Of these 24 students, 12 have entered the Graduate and the Divinity School.

Two students enrolled in Autumn, 1893, as Academic College Students have received, the one the degree of Bachelor of Arts, the other that of Bachelor of Science. One unclassified student obtained the degree of Bachelor of Philosophy.

Of the 226 Academic College Students in residence

during the Autumn Quarter, 1893, 48 are now studying in the University Colleges.

Professors on Leave of Absence.

During the quarter just closing the following professors and instructors have been absent from the University:

Professors: Abbott, Donaldson, Knapp, Moulton, Holmes, and Van Hise. Associate Professors: Bulkley, Penrose, and Strong. Assistant Professor: Capps. Instructors: Arnolt (2d Term), Crandall (1st Term), and Young. Tutor: Schwill. Assistants: Vincent (1st Term), and Breasted. Docents: Curtiss and Merriam.

New Appointments.

During the quarter just closing the following new appointments have been made:

Willard A. Smith, to be a Trustee of the University in place of Mr. H. A. Rust, resigned.

Revs. F. H. Rowley and L. A. Crandall, to be members of Board of Trustees of the Divinity School.

H. L. Willett, to the Acting-Deanship of the Disciples' Divinity House.

S. F. McLennan, to an Assistantship in Experimental Psychology.

A. R. Wightman, to an Assistantship in Latin in the Academy.

Perry Paine, to take charge of men in Physical Culture at the Academy.

August Broholm, to give instruction in the Danon-Norwegian Theological Seminary during Professor Jensen's absence.

C. E. Woodruff, Fellow, to the Headship of the Middle Divinity Dormitory.

E. Read, Fellow, to the Headship of the South Divinity Dormitory.

The following were appointed to do class-work in the University Extension Division.

Olaus Dahl, Ph.D., Scandinavian Literature.

Frederick C. Lucas, S.B., Botany.

Paul B. de Compigny, French.

Clifford H. Moore, A.B., Latin.

William C. Sayrs, A.M., Greek.

William B. Woods, English.

Thomas G. Allen, A.M., Chemistry.

Vernon P. Squires, A.B., English.

Edward C. Page, A.B., English and History.

Newland F. Smith, Ph.B., Physics.

Howard N. Ogden, Ph.D., English and Political Science.

Herbert E. Cobb, A.M., Mathematics.

Warrollo Whitney, A.M., Zoology.

William E. Henry, A.M., English.

Addison Blakely, Ph.D., Political Science.

Aaron H. Cole, A.M., Zoology.

Ira W. Howerth, A.M., Sociology and Political Economy.

Chas. W. Lisk, A.B., New Testament Greek.

Violette E. Scharff, French.

Oliver P. Hay, Ph.D. Geology.

H. N. von Kadish, Zoology.

Adolph Meyer, M.D., Neurology.

Henry B. Kummel, A.M., Geology.

Roy N. Miller, Ph.B., Political Science.

Harry Howard, A.B.,

William H. Fischer.

Horace S. Fiske, A.M., English.

James F. Baldwin, A.B., History.

Wm. Rullkoetter, A.B., History.

E. C. Rosseter, A.M., History.

C. A. Orr, A.B., Latin.

J. S. Hutchinson.

C. W. Mann, A.M. Mathematics.

Kurt Laves, Ph.D., Astronomy.

Walter E. Garry, S.B., Zoology.

W. R. Mitchell, S.B., Botany.

Appointments to other Institutions.

Among others the following members of the University have received appointments in other institutions:

Frank George Franklin, Graduate Student, to an instructorship in History and Political Economy, in Southwest Kansas College.

Frances Pellett, Reader, to be teacher of Latin in the High School at Binghamton, N. Y.

Elizabeth Wallace, Reader, to the Principalship of Knox Seminary, Galesburg, Ill.

Emma Willard, Graduate Student, to be teacher of Science, Oswego Female College, Kansas.

The Divinity Conference.

At the beginning of the quarter there was held a conference, appropriately introduced by Dr. Barrows' address on "The Greatness of Religion," in which questions were discussed touching upon the work of the minister, his preparation and his functions. There the voices of many were heard who had been connected with the Divinity School in former days. The spirit of the meetings was manifestly a progressive one. In no division of intellectual work is there today greater progress being made than in that of theology and its kindred subjects. The danger is that the rapidity of progress may be too great. The faiths of men, and most of all their superstitions, must be dealt with cautiously and tenderly. Changes must come gradually. Meanwhile, our theologians must search as

they have never before searched for that statement of religious truth which will at the same time satisfy the intellect and bring consolation and comfort to the heart.

University Lectures.

It has been the rare privilege of members of the University to listen to a course of lectures upon "The Letters of the Apostle Paul," delivered by Head Professor Burton. Under careful guidance we have studied the life and the utterances of Christianity's great expounder; his true place in the foundation of the Christian Church, very distinct from that of the Master himself, yet fundamental. These Sunday afternoon lectures have been a source of help and inspiration to many.

It is not an uncommon mistake, even among intelligent circles, to confuse education with methods of education. Because of this confusion, the normal school and the university have each been guilty of neglecting an important element. The normal school has everywhere laid emphasis upon the method, and has forgotten that a teacher must have knowledge of the subject which he teaches in order to make proper use of methods. The University has rightly placed the emphasis upon the subject matter to be taught, but has without question ignored the fact that there are principles of teaching—a science of pedagogy. In a university in which three hundred graduate students are preparing themselves for chairs of instruction in schools and colleges, it would be a fatal error to overlook the need of pedagogical instruction. The lectures, before the members of the University, of Mr. J. J. Findlay, appointed by the English Commission on Secondary Education to visit America, upon "Arnold of Rugby," "Present Day Problems in English Education," "Higher Training of Teachers," and "Herbartian Curriculum with reference to Recent Experiments in Modern Language Teaching at Jena," were greatly appreciated. These lectures formed an appropriate introduction to the work of pedagogy which will be organized during the coming year. Associate Professor Bulkley was appointed by the trustees to the Chair of Pedagogy three years ago. Her time since the appointment has been devoted to study and research in European universities. With the beginning of the next scholastic year, the Department of Pedagogy will be organized under the direction of Professor John Dewey, who is also head of the Department of Philosophy. In addition to the work of the members of the philosophical staff and that of Professor Bulkley, members of other departments in the University will contribute courses, since without question only experts in a subject can show how best to

teach that subject. The supplementary staff of the department will be organized under four heads: the college staff, consisting of those who will deal with college work; a staff for secondary work; a staff for elementary work, and a staff for Kindergarten work. In connection with the department there will be organized as early as possible practice schools of various grades. These experiment schools will constitute the laboratory of the department. The University itself is, in a sense, a pedagogical laboratory, and as such renders service to teachers of all ranks. Those who know the lack which everywhere exists of trained teachers will appreciate this new step which is to be taken by the University.

University lectures open to all members of the University, for which no credit of any kind is given, will be offered more freely during the coming quarter than heretofore. The biblical lectures which, from the beginning, have been the feature of our Sunday afternoons will be delivered during the coming quarter by Professor Richard G. Moulton upon the subject "The Literary Study of the Bible." Mr. Stagg will lecture once a week throughout the quarter on "Physical Exercise, and some of its effects upon the body and its organs."

The Faculty of Arts, Literature, and Science is at this time considering the question of general departmental lectures as a part of the curriculum of study. It has been proposed to require, of each student, attendance upon courses of general lectures to be offered by the various departments, the requirement to cover all departments offering such courses in which the student does not elect special courses. It is maintained that in a series of twelve lectures the more important problems of a particular department may be satisfactorily presented, and that the student will thus be given an intelligent idea of the problems. Such knowledge, it is thought, should be required of those who take a bachelor's degree. It is urged, upon the other hand, that such courses will be of little or no value to the student, that attendance upon them will counteract in large measure the habit of close and exhaustive work; that the intelligent student will in one way or another pick up the information which such courses would furnish. What the decision of the faculty will be cannot now be determined. No one will question the desirability of offering such courses. There may be good ground, however, for doubting whether work of this kind should be required.

Athletics.

Much ado is being made at the present time about college athletics. Because in certain cases

there have been exhibitions of brutality, a hue and cry has been raised against some of the most popular forms of athletic activity. It is the old story of use and abuse. That which may be abused must not be used. But the principle if carried out would work vast mischief. There is no virtue which may not be made a vice. Shall everything capable of abuse be given up, or shall we not perform a greater service for the world by going forward under proper rules and regulations? We may grant that limbs are broken and lives lost; but we must remember that there is no form of life's activity which is not attended with risk. We close our eyes to all danger to limb and life when questions of business are concerned. If the world can afford to sacrifice the lives of men for commercial gain, it can much more easily afford to make similar sacrifice upon the altar of vigorous and unsullied manhood. The question of a life, or of a score of lives is nothing compared with that of moral purity, human self-restraint, in the interests of which, among college men, outdoor athletic sports contribute more than all other agencies combined. As a matter of fact, the statements concerning bodily injuries incurred contain gross exaggerations. If athletics have been prostituted by gamblers and pugilists, let the college world come to the rescue and assign them to the place to which they belong. Woe betide the day when our college men, with temptations of every kind besetting them, become so slothful, so demoralized, so diseased as to lose their interest in athletics. In the University of Chicago athletic work is directly and exclusively under the control of the University authorities. It will so remain. The University has encouraged athletic sports; it will continue to encourage them. We believe that this is an important part of college and university life. We shall see to it, however, that no man upon a University team shall ever have a second opportunity to disgrace either himself or the University. At home and with the teams of other institutions we shall endeavor to cultivate a spirit that shall be, in the truest sense, elevating.

A Requirement in Philosophy.

An important step in connection with the curriculum of the colleges has been taken by the faculty in introducing as a requirement two courses of study in the Department of Philosophy. These courses may be selected either in ethics, in the history of philosophy, in logic, or in psychology. Up to this time no such requirement has existed. It has been possible to graduate without having done any work in this department. By a large majority of the faculty it was believed that as there was a linguistic discipline,

a mathematical discipline, a discipline in science, so likewise there was a philosophical discipline, and that no man or woman could be said to have properly finished a course of study for the bachelor's degree who had not come in contact with this discipline. It is true that this requirement curtails by just so much, the privilege of election; but there remains a sufficient opportunity for the exercise of this privilege. Even with this requirement, the election is as free as in the original plan of the University curriculum.

Entrance to the University.

The questions connected with admission to college do not diminish in either number or importance. They may be divided according to their relation, on the one hand, to the exact preparation required for admission, and on the other to the proper methods of testing the applicant for admission upon the thoroughness of his preparation. The small number of academies in the west and northwest, the great variety of curricula in the high schools, the large number of high schools offering courses extending through three years instead of four, the number of English high schools in which the languages do not receive sufficient attention, make very complicated what would seem to casual on-lookers a question of comparative simplicity. Three serious dangers to the best interests of secondary education may be noted:

(1) The tendency to multiply the number of subjects taught, and consequently to reduce the disciplinary value of all. If the student is required to make preparation in eight or nine subjects, it is perfectly clear that unless the time of study is extended, he will be able to do only half as much work as he would do if he were expected to make preparation in four or five. But this is not the greatest difficulty. Inasmuch as it is discipline and method, rather than information, which he is expected to gain, he does not study any single subject consecutively enough to derive from it the fullest benefit. Moreover, his mind is so distracted with a multitude of subjects, and dissipated to such a degree, in going from one to the other, that the value of the work is greatly minimized.

(2) The second danger lies in the tendency, resulting from the multiplicity of subjects offered, to make choice of particular subjects at too early a period in his preparation. At the age of fourteen or fifteen, the boy or his parent is compelled to make a decision on which rests his whole future life; a decision, which cannot properly be made, in most cases, until three or four years later, in very many cases until six years later. This means specializing at too early an age. When the mind of the student is thoroughly

awakened he finds that he is shut up within certain limitations because in earlier years he did not select certain other subjects. The baneful results of this tendency are already beginning to be felt; their full force will not be appreciated until the end of another decade.

(3) There are some modern educators, men who occupy positions of high rank in the educational world, who are making strenuous effort to persuade the thinking class, as well as the unthinking, that it is a matter of no consequence, after all, what subject the boy studies, if only it is studied thoroughly. A preparation for college based upon any four or five subjects is practically as good as a preparation based upon any other four or five subjects. To be sure, the propagators of this doctrine do not really accept their own teaching, for when a schedule of subjects is made out, the English language and Mathematics always find a place in it. In this, though entirely inconsistent with themselves, they are correct. But, unfortunately, at this point the line is drawn. They forget that, most fundamental of all, is the linguistic discipline, and that, of the languages ordinarily studied, the Latin language is best calculated to furnish this discipline. They grant the fundamental character of English and Mathematics; but strangely enough they overlook the peculiar advantages which follow the study of a language like the Latin. No one denies the importance which attaches to the study of other subjects, such as history, physics, chemistry; but it is maintained that there is a proper time for the introduction of these studies.

The doctrine of the equivalence of studies for the purpose of admission to college, as President Hyde has pointed out, is "as absurd as the doctrine that in preparing to build a house it makes no difference whether you begin with the work of the stone-mason in the cellar, or with the work of the carpenter on the roof. If you put in an equal amount of labor, the house is as near completion in the one case as the other. It does not matter whether you build your house from the roof down or from the foundation up. Some studies are fundamental to a liberal education. To omit them is to build upon the sand. To postpone them is to build from the roof down."

"Latin is fundamental to the study of language, literature, law, history, and all that concerns the expression man has made of himself in art, letters, politics, and institutions. The Romans built the highways on which civilization has marched for eighteen centuries, and it is as true of the intellectual world today as it was of the political world under Augustus, that all roads lead to Rome. The man who has never

studied Latin finds all forms of liberal study blind and unintelligible. By a dead lift of arbitrary memory he will have to learn roots of words and forms of speech which with the aid of a little Latin would become rationally intelligible. He will have to dig out of dictionaries the dead bones of references and allusions which a little classical learning would have clothed with life. He will be able to trace back the origin of institutions, the significance of terminology, the motives of art almost to their source, only to be baffled at last, and compelled to give up the quest."

The University sees, therefore, great danger in this multiplication of subjects to be studied, this early specializing, and this doctrine of equivalency of subjects. Against these tendencies it would interpose, and with earnestness and sincerity it begs the principals and trustees of secondary schools in Illinois and the surrounding states to consider carefully the results toward which they certainly point.

The difficulties connected with the testing of the boy's preparation, though by no means so important, are nevertheless perplexing. The boards and principals of secondary schools everywhere recognize the utter lack of adequate preparation of a large portion of the teachers in their schools; indeed, the teachers themselves realize this lack of preparation more than any others. So long as this continues to be true, how can an institution which has real interest in maintaining a high standard accept upon certificate the pupils from such schools? It is true that there are exceptions, and that many schools are well manned; but how may the University discover this, except by a conscientious examination of the work of all the secondary schools within its territory? This would be a tremendous task to undertake. The character of the work which is being performed in a particular school can be determined only by careful, prolonged, and repeated investigation. A forenoon's visit on the part of two or three officers of the institution once a year—a visit for which the school itself has been duly and elaborately prepared—will not furnish data upon which to found a conclusion. The certificate method is in large measure a farce, as, indeed, those who employ it, in some cases, acknowledge it to be. But what shall be said, on the other hand, of the examination method? Its most enthusiastic adherents cannot claim that it is entirely satisfactory. Without question, many a boy fails in an examination who is nevertheless abundantly able to carry on the work of the class to which he was seeking admission. Not infrequently a student passes the examination who is not prepared to advance. The passing of an examination is therefore no sure indication of the student's ability to do the work upon which

he desires to enter. It is true, still further, that many pupils, and many parents, are prejudiced against examinations, and will not hesitate to substitute a school confessedly inferior, provided that school will accept a certificate. The difficulties which the student must encounter in planning for a college course are very many. Why increase them by arbitrary measures? In any case, there would be less danger in our own University because here so much is made of the individual. With no class system, the students entering at every quarter, with a system which is flexible in the matter of the number of courses taken, in a system which requires a person who has not done good work, or who is in ill-health, to take two-thirds rather than full work; in a system which allows a student to work during any part of the year and to graduate at the close of any quarter; in a system which makes a sharp dividing line between the end of the second year and the beginning of the third, the danger of admitting students upon some kind of a certificate would be manifestly less than in other institutions where greater rigidity of routine exists. Why not regard the freshman and sophomore years as a great clearing-house, and make entrance to the junior year the real university entrance instead of entrance to the freshman class? If there were a universal desire on the part of principals and students for the University to adopt the certificate system, if there were unlimited means with which satisfactorily to inspect the secondary schools, the question would not be so difficult. But with the good results of the examination system as carried out by Yale and Harvard, although we must confess that the circumstances are different, with the utter inability on the part of the University to do the work of inspection necessary, with the earnest desire on the part of many principals that the examinations be continued—the University has not thus far seen its way to introduce any change in the plan which was originally adopted. It confesses that the present system is not satisfactory; it believes that something better may yet be found; it is making an earnest effort to find this better plan; it asks the assistance of all who are interested in secondary education in solving what must be regarded as the most difficult practical question with which the college is obliged to grapple.

The Chapel.

The much-needed chapel seems to be as far away from us as it was three months ago. When it is remembered that the University buildings thus far erected contain no room in which even one-half of the members of the University can assemble at a single

time without physical discomfort, the necessity of the case will be apparent.

Shortly after the death of the late lamented Professor Swing it was suggested by Dr. John Henry Barrows that an appropriate memorial would be a University Chapel. This suggestion was approved by many of Professor Swing's intimate friends and by members of his family. The following letter was transmitted to the University:

"We have learned with much pleasure that the proposition made by Dr. Barrows for a Memorial to Professor David Swing in the form of a Memorial Chapel, in connection with the University of Chicago, has met wide favor, and has already received the endorsement of a large subscription. We believe that such a Memorial is exceedingly appropriate, and will be a worthy and splendid monument to one whose name will be associated with religion, learning, and the highest interests of Chicago. We express our cordial approval of this plan, commend it to the public, and hope that it may be crowned with speedy success.

A. W. PEIRCE,
FRANKLIN H. HEAD,
LEWIS L. COBURN,
W. S. HENDERSON,
WILLIAM A. TALCOTT,
FRANK GILBERT,
MRS. JOHN R. WILSON,
MARY H. WILMARTH.

We approve of the foregoing suggestion.

JEWETT E. RICKER,
MARY SWING RICKER,
HELEN SWING LARRING.

The University authorities appreciated the kindness of the suggestion made by Dr. Barrows and accepted by the friends of Professor Swing. It would have given them great pleasure if such a Memorial could have been erected, and they would have rejoiced in an opportunity to do honor to the memory of one whose interest in the University itself was so great, and whose connection with the city of Chicago was so close. But it must have been apparent to all, that in this matter the University could not take the initiative. It could not lift a hand to further the movement. A gift of \$10,000 for the purpose was proffered; but no one has presented himself to carry forward the movement thus auspiciously begun. What will come of it? Probably nothing; and yet the name of Professor Swing will have suffered nothing because of the proposal thus to identify it with the University, and the University will be pleased to remember that by the most intimate friends of Professor Swing and by the

members of his own family, it was adjudged worthy of being the institution with which his name should forever be preserved.

The Women's Building.

Since our last meeting several thousand dollars have been contributed to the Women's Building. A strong effort is being made to secure the remainder of the sum needed, about \$50,000, during the month of January, in order that the work on the building may be completed by October 1st. A committee of women has assumed the responsibility of raising the sum. The names of the committee give guarantee that they will accomplish anything which they may undertake.

The Biological Building.

No one has yet been found to perform the service most greatly needed by the University, the erection of a building for the departments of Biology. May I describe briefly the requirements of the Zoological Laboratory? It will include an aquarium room large enough for twenty or more aquaria; a zoological garden with ponds of water for aquatic animals, and room for birds and land animals, arranged, not for the use of the public, but exclusively for scientific work; a museum room designed for purpose of illustrations in class room and lecture work, filled with embryological and histological preparations, and the more important specimens of the animal kingdom; a library room for serial publications, such as the journals and proceedings of societies and academies, zoological records, reviews, reports, reference works, guides, charts, etc.; a reading room for current periodicals and literature; large laboratory rooms for work in embryology, comparative anatomy, comparative histology and general physiology; twenty-five to fifty private laboratories for research work of instructors, fellows, and independent investigators; large and small lecture rooms. The laboratory should have as annexes a fresh-water station on the lake or river for experiment work, with separate buildings and equipment, and a marine station upon the ocean for instruction and study in marine life.

The Physiological Laboratory—and I speak of this because I have been informed that certain gentlemen are considering the possibility of erecting such a building—will include, like the Zoological Laboratory, rooms with constant temperature filled with aquaria—rooms in which experiments concerning the influence of plants upon animal form and character may be made. Like the Zoological Laboratory, it will be surrounded by gardens with small ponds in which the necessary animal and plant material may be obtained

at any time, and in which animals may be kept and observed in their natural conditions. In view of the important part played by electricity in all physiological work since the discoveries of Galvani, a part of the building will be erected without the use of iron, and equipped for work in electric-physiology. It will contain special optical rooms provided with optical apparatus. Special rooms will also be fitted up with all the apparatus of acoustics and phonetics for the analysis of the qualities of sounds. The physiology of respiration is, after all, of greatest importance, and rooms for gas-analysis will be arranged and different apparatus secured for measuring the amount of air given out and taken up. Elaborate provision must be made for the solution of the economic and legislative problems of physiology as to the quantity of animal matter exhausted in the various forms of human or animal work. For the field of operation, or especially medical physiology, rooms must be provided with cages in which animals may be kept and observed. Physiological chemistry constitutes a great division of physiology, and will demand the equipment of a chemical laboratory. So important is the rôle of photographic analysis in this, as in other scientific work, that photographic rooms with photographic outfit will be arranged. Provision must be made for electric power in every room. The lecture rooms will be so arranged as to be darkened at any moment. Preparation rooms, class and laboratory rooms, private laboratory rooms, library rooms, and reading rooms are necessary. It is such laboratories as these that the University possesses for Physics and Chemistry. Ample provision for Astronomy will be arranged for in the Yerkes Observatory. For the biological sciences, the sciences which have to do most closely with life, which form the basis of all medical work, and to which today humanity is looking for relief from diseases heretofore pronounced incurable—for these sciences, I say, the University should make ample and immediate provision. How many times must the appeal be made before the response shall come?

The Divinity School.

The plan agreed upon between the University and the Disciples' Divinity House has been carried out. A house was organized October 1 with the appointment of Mr. H. L. Willett as acting-dean. The membership has numbered eighteen. Arrangements are being made for the purchase of land and the erection of a separate building as the home of the house. The work of the members of this Divinity House has been the same as that of other divinity students in the University. During the coming quarter a special course

of lectures will be delivered to the members of the house by the acting dean upon the distinctive beliefs of the Disciples' denomination. The example of the Disciples in founding a divinity house in connection with the University is to be followed by the Cumberland Presbyterians. At a meeting of the Synod of Illinois, held in Chicago in October, it was voted to establish a divinity house in connection with the University, and a board of trustees was appointed to carry the plan into effect. This board has already held one meeting at the University, and at a second meeting, which is to be held in February, the final arrangements will be made.

The friends of Professor Northrup will be pleased to learn that he has returned from his special vacation, and that he is ready to take up again his work as in days gone by. The religious world is a great debtor to men like Professor Northrup, who, with advancing years, stand strongly and firmly for the essential truths of Christianity, and at the same time open their minds to the new facts and the new explanations of their own times. Why should not the religious teacher, of all teachers, come forward and grapple manfully with the problems of his day? Such a one is the honored head of the Department of Theology—a man whose ability and strength of character are recognized by men of many different faiths. The majority of my colleagues and the majority of those who are present here tonight do not know, will never know, how large a share Professor Northrup had in the first beginnings of the University. The influence which he exerted in behalf of high ideals, broad and comprehensive plans, was of such a kind that as the years go by it will be more and more appreciated. When the history of the earliest days of the University is written, men will begin to understand the full significance of this brief statement.

In the absence of Professor Jensen, who has again gone to California for the sake of his health, Mr. August Broholm of Copenhagen, Denmark, has received appointment to the staff of the Divinity Faculty.

In accordance with the house plan already instituted in the other divisions of the University, the Divinity houses have been organized. Mr. E. A. Read, fellow in the Divinity School, has been appointed to the headship of South House, and Mr. C. E. Woodruff to the headship of Middle House. The necessary arrangements have been made for the setting apart of rooms as the parlors of the houses. Every hall of the University is now organized upon the house plan.

Inasmuch as the membership of the Divinity School is the largest in all its history, there seems to

be no good reason to doubt the continued good will and hearty support of its constituency. During the Summer Quarter of '95 every department of the Divinity School will be in operation. Every member of the Faculty except one will offer courses during one or both terms of the quarter. The regular staff will be strengthened by the addition of Professor Caspar René Gregory, of the University of Leipzig, Germany, in the Department of New Testament Greek, and Professor A. B. Bruce, of Edinburgh, Scotland, in the Department of Apologetics. There are no names better known in the entire theological world. The specific courses proposed for the Summer Quarter have been arranged, and will soon be announced.

The University Extension.

The history of the work of the University Extension Division for the quarter just closing cannot be told in few words. I shall therefore not attempt to tell it. Sixty-four courses of six lectures each have been given to audiences aggregating 13,000 people. These courses were given at sixty-four centres, of which nine were in the city of Chicago, twenty-nine in the state of Illinois outside of Chicago, five in the state of Indiana, seven in Iowa, thirteen in Michigan, and one in Missouri. Of the sixty-four courses of lectures given, twenty-one were in the Department of History, twenty-nine in Sociology and Anthropology, eleven in English Language and Literature, one in Geology, and two in the history of Art. The staff of actual lecturers numbered eighteen. In the Class Study Department, forty-nine courses of class-work were organized in nineteen departments, and thirty-three instructors were employed. These classes were conducted at the Chicago Athenæum, the Trustees' Room in the Western Union building, Cook County Normal School, the Chicago Preparatory School, the Burr School, the Chase School, Ellen Mitchell School, Greenwood Avenue School, Hyde Park High School, Kirshaw School, Pacific School, Park-side School, South Park School, van Humboldt School, Washington School; and at Hammond and Valparaiso, Indiana, Austin and Dalton, Illinois. The total attendance was 1156. When it is remembered that in these classes the work was that of the academy or college class-room, and that the students were in nearly every case persons engaged in teaching, the scope and significance of the work will be better appreciated. The enrollment in the Correspondence Department of the Extension Division of the University during the quarter was 449 students, who were engaged upon sixty-three courses of study.

The immediate difficulty which presents itself in

the administration of the University Extension work is not the difficulty of organizing centres, but the difficulty of supplying centres with instructors. Too heavy a draft has been made by the Extension Division upon the professors and instructors in the University proper. Some of the University instructors have been compelled by the demand laid upon them to give more courses of lectures than the best interests of their university work warranted. It was to guard against this very difficulty that the separate staff of Extension professors was organized. The facts indicate that this staff must be increased, and the trustees have already authorized the addition of several members to the staff. How long now will Extension work continue? When will it be possible for the University to give up this division of its work? Not until the men and women in this great city and in the cities and towns of the surrounding states shall have attained perfect knowledge in respect to all those things which are accustomed to be taught by teachers. So long as there is work for the University to do, so long there will be room for the University Extension.

The Morgan Park and Affiliated Academies.

At a joint meeting of the instructors of the Morgan Park and Affiliated Academies, a request was made of the University Senate that the regular University examinations be dispensed with in the case of students of the Academy and affiliated schools, in view of the fact that each student of such schools was actually examined in all his work three times a year for three years by the University itself. It was thought that these nine examinations, taken in connection with the record of the student in his class-room, this record being kept at the University, would constitute a sufficient basis for judgment as to his ability to enter upon college work. This request was granted by the Senate. A closer bond, therefore, now exists between the University and its affiliated academies than heretofore. The attendance in all the affiliated schools is larger than last year. The increase in the Morgan Park Academy is about 40 per cent.

House Gifts.

The donor of Snell Hall, Mrs. Henrietta Snell, has very generously given to the University the furnishing for a reception-room in the hall and for a club-room in the basement. These furnishings include furniture, rugs, and decorations. The gift also included an upright piano. The University acknowledges with much appreciation this token of Mrs. Snell's continued interest in its work.

We are also indebted to Mrs. George E. Adams for gifts of furniture and furnishings to Nancy Foster Hall.

A Gift of Books.

The University acknowledges the gift from Mrs. Hugh A. White, Evanston, Ill., of the library of her late husband, who was one of the trustees of the Lewis Institute. The library contains 1500 volumes, including sets of many important works, of which the University is pleased to have duplicates; such as the *Encyclopædia Britannica* and the *American Encyclopædia*; it also includes a valuable collection of law books, which will form the nucleus of the law library of the University. The gift included not only the books, but also the cases in which a portion of the books had been placed.

An Anthropological Collection.

Walker Museum has received from Mr. Ryerson the gift of a Mexican collection. This collection consists of over 200 pieces of Indian pottery, many of which show great skill in decoration. The list includes, also, twenty-five articles illustrating the weaving industry. Some of these, being unfinished, exhibit the method used. Of particular value are thirty articles used in certain religious ceremonies.

Ten Thousand Dollars.

The University has also received from Mr. Ryerson a gift of \$10,000, to be used for the purchase of apparatus for the Ryerson Physical Laboratory. Our obligation to Mr. Ryerson, the honored President of the Trustees, already great, is by these acts of generosity made still greater.

The John Henry Barrows Lectureship.

Our friends will remember the gift to the University in May last of \$20,000 by Mrs. Caroline E. Haskell for the establishment of a lectureship in the department of Comparative Religion. They will also remember a second gift, made to the University in June, of \$100,000 for the erection of an Oriental Museum. The plans of this building have been practically finished, and arrangements will be made for beginning the erection of the building early in the coming spring. But our kind friend, Mrs. Haskell, had not done for the University all that she was to do. In October the following letter was received from Mrs. Haskell:

PRESIDENT WILLIAM R. HARPER,

My Dear Sir:

I take pleasure in offering to the University of Chicago the sum of \$20,000 for the founding of a second Lectureship on the relations of Christianity and the other

Religions. These lectures, six or more in number, are to be given in Calcutta, India, and, if deemed best, in Bombay, Madras, or some other of the chief cities of Hindustan, where large numbers of educated Hindus are familiar with the English language. The wish, so earnestly expressed by Mr. P. C. Mozoomdar, that a Lectureship, like that which I had the privilege of founding last summer, might be provided for India, has led me to consider the desirability of establishing in some great collegiate center, like Calcutta, a course of lectures to be given either annually, or, as may seem better, biennially, by leading Christian scholars of Europe, Asia, and America, in which, in a friendly, temperate, conciliatory way, and in the fraternal spirit which pervaded the Parliament of Religions, the great questions of the truths of Christianity, its harmonies with the truths of other religions, its rightful claims and the best methods of setting them forth, should be presented to the scholarly and thoughtful people of India.

It is my purpose to identify this work, which I believe will be a work of enlightenment and fraternity, with the University Extension Department of the University of Chicago, and it is my desire that the management of this Lectureship should lie with yourself, as President of all the departments of the University; with Reverend John Henry Barrows, D.D., the Professorial Lecturer on Comparative Religion; with Professor George S. Goodspeed, the Associate Professor of Comparative Religion, and with those who shall be your and their successors in these positions. It is my request that this Lectureship shall bear the name of John Henry Barrows, who has identified himself with the work of promoting friendly relations between Christian America and the people of India. The committee having the management of these lectures shall also have the authority to determine whether any of the courses shall be given in Asiatic or other cities outside of India.

In reading the proceedings of the Parliament of Religions, I have been struck with the many points of harmony between the different faiths and by the possibility of so presenting Christianity to others as to win their favorable interest in its truths. If the committee shall decide to utilize this Lectureship still further in calling forth the views of scholarly representatives of the non-Christian faiths, I authorize and shall approve such a decision. Only good will grow out of such a comparison of views. Europe and America wish to hear and ponder the best that Asia can give them, and the world of Asia would gladly listen to the words of such Christian scholars as Arch-deacon Farrar of London, Doctor Fairbairn of Oxford,

Professor Henry Drummond and Professor A. B. Bruce of Glasgow, Professor George P. Fisher of Yale, Professor Francis G. Peabody of Harvard, Bishop H. C. Potter and Doctor Lyman Abbott of New York and of several others who might be named from the University of Chicago. It is my wish that, accepting the offer which I now make, the committee of the University will correspond with the leaders of religious thought in India and secure from them such helpful suggestions as they may readily give. I cherish the expectation that the Barrows Lectures will prove, in the years that shall come, a new golden bond between the East and the West. In the belief that this foundation will be blessed by our Heavenly Father to the extension of the benign influence of our great University, to the promotion of the highest interests of humanity, and to the enlargement of the Kingdom of Truth and Love on earth, I remain, with much regard,

Yours sincerely,

CAROLINE E. HASKELL.

The money has already been paid in, and the plan announced in India. The letters which have been received show that the proposition has met with even unexpected favor. This is the first foundation for University Extension work. The particular form which it assumes emphasizes very clearly the missionary character of the work. The authorities of the University accept this gift in the spirit with which it has been given, and they join with Mrs. Haskell in the belief that in the years that are to come great results will follow the establishment of this foundation.

A Gift of Mr. Rockefeller.

The work of the University, though limited to the Faculties of Divinity, and of Arts, Literature, and Science, has been organized upon a large scale. With a staff of 175 officers and instructors, with sixty graduate fellows, with journals and publications in various departments, with a demand for new books and apparatus which can never be satisfied, the University finds it possible to make wise expenditure of all the money its friends may furnish. We realize that the needs of the University are more than its regular income can supply. Appreciating this fact, recognizing the importance of securing the equipment of various kinds which is needed for the proper prosecution of the work which has been undertaken, and desiring that the work might be carried on without abatement in any particular, the founder of the University, Mr. Rockefeller, has, within the past week, generously notified us that he will contribute toward the general expenses of the scholastic year beginning July 1, 1896, the sum of \$175,000. In a recent inter-

view with Mr. Rockefeller, he expressed his high appreciation of the magnificent contributions of Chicago's citizens. He watches closely the progress which we are making, and declares himself thoroughly satisfied with the way in which the Trustees of the University have discharged the responsibilities entrusted to them. That he is with us heart and soul he has shown by this magnificent gift; not for endowment, but for current expenditure. This gift, with the income derived from other sources, provides the Uni-

versity with the sum of \$600,000 for the expenditures of the year beginning July 1, 1895.

The new year, with its anxieties and its hopes, is before us. We shall find in it better opportunities for self-improvement and better opportunities for work which will assist others. May the God of all strength and all wisdom grant to us, to each one of us, the strength and the wisdom to do the work assigned us in a way which shall be pleasing to him.

SCHOLARSHIPS.

Scholarships in connection with the Winter examinations for admission were awarded to the following students:

GRAVES, MARY BROWN
(Lyons Township High School).

RASTER, WALTHER
(The Harvard School).

DEGREES AND CERTIFICATES.

(Conferred at the Winter Convocation).

DEGREES.

DOCTOR OF PHILOSOPHY.

CARPENTER, FREDERIC IVES—A.B., Harvard University, '85; Graduate Student in English, the University of Chicago, '92-3; Fellow, *ibid.*, '93-5.

Department: *English.*

Thesis: *Metaphor and Simile in the Minor Elizabethan Dramas.*

EYCOLESHYMER, ALBERT C.—S.B., University of Michigan, '91; Fellow in Biology, Princeton, '91; Fellow in Morphology, Clark University, '91-2; Fellow in Anatomy, University of Chicago, '92-3; Assistant in Anatomy, *ibid.*, '93- .

Department: *Biology.*

Thesis: *Early Development of Amblystoma, with observations on some other Vertebrates.*

LOCY, WILLIAM ALBERT—S.B., University of Michigan, '81, and S.M., *ibid.*, '84; Professor of Biology, Lake Forest University, '87- ; Honorary Fellow in Biology, The University of Chicago, '92-4.

Department: *Zoölogy.*

Thesis: *Contribution to the Structure and Development of the Vertebrate Head.*

MASTER OF ARTS.

DODGE, ERNEST GREEN—A.B., Berea College, '93; Graduate Student, The University of Chicago, '93-5.

Department: *Greek Language and Literature.*

Thesis: *A Study of Jebb's Translation of Sophocles.*

BACHELOR OF DIVINITY.

(*The Theological Union*)

LORD, GEORGE, Student in the Morgan Park Theological Seminary and the Graduate Divinity School of The University of Chicago, '93-4.

Thesis: *Was Constantine a Regenerate Man?*

BACHELOR OF ARTS.

HUNTER, JOHN FRANKLIN.

TANAKA KIICHI.

BACHELOR OF PHILOSOPHY.

CASTLE, MARY.

MURPHY, HENRY CONSTANCE.

ROGERS, MAY JOSEPHINE.

BACHELOR OF SCIENCE.

JONE, HUGO.

LAMBERT, LILLIAN VITALIQUE.

CERTIFICATES.

THE ACADEMIC COLLEGES.

AGERTER, HARRIET COE.
BROWN, CAROLYN LOUISE.
CARPENTER, PAUL FANT.
CHOLLAR, WILBUR THOMAS.
FOSTER, EDITH BURNHAM.
GRAVES, PAUL SPENCER.
HAFT, DELLA MAY.
HURLBUT, LILA COLE.
JONES, NELLIE LAUDER.
MCCLINTOCK, SAMUEL SWEENEY.
PORTERFIELD, CORA MAUDE.

PURCELL, MARGARET.
ROOT, MARTHA LOUISE.
SMITH, KENNETH GARDNER.
STONE, HARRY WHEELER.
THOMAS, MARY SUSAN.
WHYTE, JAMES PRIMROSE.
WILLIS, GWENDOLEN BROWN.

THE THEOLOGICAL UNION.

CARROLL, ROBERT.

Thesis: *The Law of Sacrifices.*

GIBLETT, THOMAS JOHN.

Thesis: *Marcus Aurelius.*

THE ACADEMY CONVOCATION.*

The Convocation Address, "The True Function of Secondary Education," was delivered by RABBI EMIL G. HIRSCH, PH. D., *Minister of Sinai congregation, Chicago, and Professor of Rabbinical Literature and Philosophy in the University of Chicago.*

Abstract of Address.

It was a happy thought that suggested to the mind that organized our University the feasibility, the advisability, the necessity of keeping the Academy in organic connection with the University. Thus, was emphasized what perhaps is not perceived in this country, that secondary education is of most vital importance to university work. The scheme of Academy, Academic College, University College and Graduate School gave to secondary education its proper place and preserved its ideal character. In Germany, where the state is the ultimate authority on all matters bearing on secondary education as well as higher, secondary education has not been the step-child of professional pedagogues. The university in Germany has always been regarded as the apex of a pyramid and secondary education and primary education have been looked upon as the necessary foundation whereon the pyramid was to rise to glory and distinction.

In this country, too often and too loudly is the insistence heard that education must bear a utilitarian character. Of course, if we take the word utility in its wider meaning, no objection can be raised to this insistence. The scholar must be of some use to his fellow men. The age is past when a scholar may be a recluse, when, like the miser hoarding his treasures, he would shut out from the inspection of his mind the outer world. He cannot be an imitator of that scholar who after the reign of Frederick the Great when the houses of Jena shook with the shock of the battle was surprised that the people resisted so strenuously the visit of the French soldiers. Whatever specialty the scholar may pursue, life and the world have claims upon him and to enrich life is his duty. But it is not in this particular sense that the insistence of the utilitarians is urged, but for the purpose of radically changing our secondary institutions, for the purpose of turning them to tasks for which they are not competent and for which they are not intended.

The vulgar utilitarian insists that education must shape young men and young women to be ready wage-earners in the struggle for existence. And so our

newspapers are filled with protests against what editorials call fads. Whatever does not bear directly upon earning money, gaining a livelihood, is declared a fad. Education should be reduced to the three R's, is the general contention, and whatever goes beyond these three is tabooed as a fad whose only purpose is to make a berth for some teachers or others who otherwise perhaps could not earn as comfortable a living. The high school, what is its use after all? is the question asked. Do the men and the women who study Latin become stronger to run the race of life, swifter of foot, more dextrous with the hands? The opposite to this is often the result. The young should devote their time to better things than to march with Cæsar through Gaul, listen to the eloquence of Cicero, or search the stars in the heavens.

If this is the narrow angle at which secondary education is considered in this country, there are others who have better ideas based on close study of the needs and conditions of our people and of the character of various educational systems. From these too is heard the cry for an education which fits young men and young women for the immediate battle of life. They say that the field of knowledge is so grand and so vastly extended that it is impossible in this our day for one single man even to survey it in its entirety, and hence the inference is drawn since specialization is a necessity, specialization must begin as early as possible. The day of encyclopædic knowledge is past. It was easy for Aristotle to develop the sciences of his day and reduce them to form. Humboldt could, even thirty years ago, cherish the ambition to write a *Cosmos*. But no Humboldt today would rise to try his skill at this undertaking. The field of knowledge is so immense as to baffle every attempt to cover it all, and therefore as in the interests of science specialization is a necessity, this process shall begin early, at the earliest stage of education.

Men that reason in this wise would turn the academy into a university and would narrow young minds at the period when they are clearly not in a condition to be narrowed. It is certain, from an ethical point of view every human being has a vocation, a certain place where he must apply the lever in order to do his share in lifting up humanity. But where that place is comes not by intuition. "Know Thyself" was the inscription upon the Delphic temple. Few are they who can read the inscription of their own hearts.

* Held at Blake Hall, Morgan Park, Friday, January 4. 1895.

Fewer still are they who hear in the springtide of life the call which reveals to them for what they have been appointed in this busy world. All others have eyes, but they do not see, and ears, but they do not always hear, and it is the purpose of education to open eyes that would otherwise be blind and open ears to the sound which would tell them where the place is for them to do their share in the work of humanity. Therefore education is largely explorative at a certain stage of its systematic application. Only when the young mind has learned where his field of activity lies is he fit to devote himself exclusively to that field. To understand the day when the process of sloping up to the apex shall begin is even more difficult than to decide when the academy shall dismiss her alumni for further study and research. Even in the College of the University education is still explorative and only after the Academic College may the work of specialization be begun, and then even not exclusively. In the Academy, specialization beyond a certain minimum is certainly out of place.

Education must, if it is to be true to its task, make us more kind and more powerful. The experience of the ages behind us witnesses to one fact, that there are some studies which are more likely to secure the result at which education aims than are others. These are the humanities. Man is placed in this world of which he knows but little. The stars are stanzas in a poem in which the constellations are rhymes, and the verses of that poem are interrogated with great question marks, and it is the function of education to make each individual man read these question marks and understand their import. In other words, education has first a duty to make man understand the world in which he is placed. He must be at home upon the earth and in the universe of which he is a part.

Of all the sciences there is none that can walk without the crutches of mathematics. All science is in fact busy with space and spacial relations or with time and the succession of events in time. Therefore mathematics is one of the fundamental appliances of creating in man familiarity with surrounding nature. And testimony is abundant that mathematics is one of the pillars upon which a true secondary education should be founded. No one is ready to take special work without having been drilled and grounded in the fundamental principles and processes of mathematics.

On the other hand, man is a world of himself. If he understands the outer world he does not understand himself yet. What distinguishes man from the other tenants of this earth more than all else, is the faculty of speech which in turn is the offspring of the endowment of thought with which the Creator has

sent him into the world; and so language, more than mathematics, is a prerequisite for a thorough education. For a long time our own language was neglected, for it was assumed that each child understood and knew the language it inherited from its fathers, but of this optimism we have been thoroughly cured and we have happily become converted to the thought that the study of our native tongue is as essential and useful as a parcel of linguistic studies foreign to or distant from us. A secondary education not devoting attention to English literature and language fails of its purpose. Happy are they whose native tongue is English! For of all the dialects that are spoken under God's glorious panoply, of all tongues that voice hatred or whisper love, there is none that can rival that noble inheritance of ours which comes to us from the sturdy Anglo-Saxons and their Norman conquerors, two streams joining to make a current, pure and limpid, holding the waters of life in such abundance as has come with its blessings to no other nations.

But it has been properly said that he who speaks but one tongue speaks none, or he that is acquainted with but one literature lacks the standard by which to measure the depths of all genius and rise to the heights of all true inspiration. That is true. Which then of all languages in a secondary institution shall we choose for the purpose of educational development to give to the mind a knowledge of its faculties and powers. I need not tell you it is Latin. For the Latin is the key not merely to grammar and the construction of sentences, it is a key to the history of our modern institutions. For not merely from Jerusalem went forth the law, but from Rome also, from which spring we have been drinking these ten centuries.

Latin is fitted as no other tongue to familiarize the mind with the mechanism and principles of language, to create a sense of individuality in study and to awake within a man a consciousness of linguistic responsibility. The Latin people were a sober people, strictly logical, and their language is reflective of their character. The Romans were gifted with a genius for law and order, and their stately periods were marshaled as were marshaled their armies. Nothing out of place or irregular. Every word has its place with a reason and is placed where it belongs so strictly that this becomes a source of information to the scholar. It would be a sad day for education if Latin were to become the study of philologists only. Dreary schools would we have thereafter. Our University has set the stamp of approval upon the old traditions that recognize the invaluable functions of Latin in the preparatory studies for all alike.

There is a danger and a well-founded suspicion that

always attaches to a little knowledge. The Sophomore has for this reason become historic. Sophomoric it is to forget that preparation is not completion. We suffer in this country from arrested education. Why is the demagogue so dangerous here and why does his race arise? Because half-culture and half-knowledge seem to be the fatal passion of the masses and those who have risen a little above the masses. The masses are self-taught. The petroleum lamp is responsible for the rise of discontent. It has enabled the working-man after hours to read books and he has read books ravenously. He has not had the check upon knowledge which comes from teachers who understand their business and guide and direct us. Self-taught men are largely half-taught men, as they see but one-half of a question and this half-knowledge is the flower and fruit of our educational system. Against this I would caution you.

Even should you not be privileged by circumstances of life after you leave this academy to pursue your studies under the guidance of a professor, even should battle for bread call you to military service after you lay down your books, bear in mind that you have the preparation on which to build, but not the building. If you remember this you will be of use to humanity, of service to our blessed country, and you will contribute, whatever your work, wherever your walk in life may be, to the solution of those questions

which are now troubling the age, questions which appeal to the educated mind, and which it alone can answer. That it may be your good fortune to build upon the broad foundation laid here is my closing wish to you. Here lies the foundation and our university is the apex of the pyramid and on the highest point of that apex we hang our lamp like a beacon, for others to see, for others to steer by into the port of truth and light and love.

SCHOLARSHIPS.

The following students attained scholarship rank during the Autumn Quarter :

Andrews, Edgar L.,	Hazlett, J. Howard,
Blackwelder, Paul,	Hepburn, Alice A.,
Bogert, Horace V.,	Hollis, Harriet F.,
Carey, Charles E.,	Homer, Florence,
Cleveland, Eva,	Horton, Jessie M.,
Colwell, Nathan P.,	Hoy, Clinton L.,
Darby, Helen L.,	Johnson, Francis S.,
Davis, Hattie L.,	Lagergren, Sigrid A.,
Gilman, Carrie S.,	Merriman, Dorcas F.,
Gilman, Margaret S.,	Morgan, Ruth E.,
Goss, Edna L.,	Morton, Sydney B.,
Griffith, Thomas L.,	Owen, William L.,
Gustafson, Lewis,	Webb, Jonathan E.,
Hamilton, Oscar O.,	Wells, Ruth,

IMPORTANT UNIVERSITY EVENTS.

POLITICAL ECONOMY, HISTORY, AND SOCIOLOGY CONFERENCE.

COBB LECTURE HALL, JANUARY 2 AND 3, 1895.

After a luncheon* given by the President at 1:00 P.M., the meeting was called to order at 2:00 P.M. Professor Laughlin introduced President Harper who delivered a brief address of welcome.

Professor Laughlin then nominated Professor Jesse Macy, of Iowa College as Chairman of the meeting, who having taken the chair, spoke as follows:

"This is an unexpected honor in being called to this place. I have no information as to what should take place at this hour, except that Professor Judson will be called to speak upon some topic connected with the conference. I will therefore call upon Professor Judson."

PROFESSOR JUDSON spoke as follows:

"There has not been planned a specific topic for this afternoon, because we have not been favored with the presence of a gentleman who was expected. It was therefore suggested that we devote our time to the discussion of a suggestion in connection with the departments dealing with the work in the secondary schools. The question of teaching in our departments in the secondary schools is one of particular interest. In most high schools and academies work is done in political science. I really do not know how far work is done in sociology. The question as to what the work is and what it should be, is very largely a new subject. We are confronted at the outset by a difficulty. Not long since a fact came under my observation illustrating this. A certain young woman had been graduated in an excellent high school in Minnesota, and then thought she ought to continue her studies in the State University, and so she consulted the President of the University and he asked her what she wanted to study. He asked her if she wanted to study history. She replied that she did not, that she had studied history. It developed that she had studied Swinton's outline. She labored under the impression that she had mastered all history from the study of this outline. The difficulty that con-

fronts us, or that may confront us, is that students believe they have grasped all there is in a subject, after doing the work in secondary schools.

"Now another question. There are many students entering high schools and academies who expect to secure there all the education they ever get, intending afterwards to go into business. Therefore all the knowledge they will ever get, they will get in those high schools. Therefore the question arises as to what knowledge should be given them to make them good citizens, with the limited time at their disposal. And then comes another question as to what should be the relation of the work done by students in the high school to the work to be done by those who go from the high school to college; should the work done by these students in the high school have any definite relation to the work they will do in college; should the courses offered in high schools be made a distinct preparation for college work, and should they be so recognized in the curricula of colleges? Mr. Chairman, it seems to me that these are some of the questions which should be considered. The question is also as to whether those things are desired as a preparation for college, and if so, should they be given a place in the curricula. Some professors would prefer that their students had no preparation in history before they reached college, other professors prefer that their students have some knowledge of history when they reach college."

CHAIRMAN MACY: "If we get hold of our subject in its relation to secondary schools, we ought then to understand its relation to primary schools, and also its relation to the system of high schools. It is fortunate that so many American teachers have taught school in a good many different positions, and I hope that as a result of this conference here in this western city, we may see the benefit of this in our conference."

*The following ladies and gentlemen were present at this luncheon: Miss Jessie R. Holmes, Knox College; J. G. Brooks, Cambridge, Mass.; Professor Cyrus W. Hodgin, Earlham College; Professor James A. Woodburn, and Professor George E. Fellows, University of Indiana; Professor Nicholas N. Butler, Columbia College, New York; Mr. Henry R. Hatfield, St. Louis, Mo.; Superintendent O. T. Bright, Cook County Schools; Professor Jesse Macy, Iowa College; Professor Freer, Cornell College; Professor Charles A. Tuttle, Wabash College; Professor Oscar J. Craig, Purdue University; Professor Graham Taylor, Chicago Theological Seminary; Professor George W. Knight, Ohio State University; Professor Frederick C. Hicks, University of Missouri; Professor Dwight, P. Waldo, Albion College; Professors Bigham and Foster; also the following members of the University of Chicago: Mrs. Palmer, Miss Talbot, President Harper, Messrs. McClintock, Hale, Bemis, Freund, von Holst, Small, Lewis, A. C. Miller, R. F. Harper, Hirsch, Goodspeed, Judson, Max West, Vincent, Thatcher, Laughlin, Million, Henderson, F. J. Miller, Terry, and Zeublin.

"One suggestion of the speaker was exceedingly interesting to me, because I thought it was a discovery which I had made several years ago. I have philosophized on the matter and I will give you the benefit of it. It is that boys and girls first become interested in arithmetic, and pursue the study of arithmetic as arithmetic. The next book being that of history of the United States, and the students think that having finished arithmetic, they knew it, and so having finished a history they think they know it. The instruction should be so plain that it will leave the impression that our pupils are to continue the line of that study as long as they live."

PROFESSOR TAYLOR, of the Chicago Theological Seminary: "It seems to me that the largest and most influential class who are affected by this, should be kept well in view, namely, those who finish their education in the secondary schools. Of course this makes it rather embarrassing for those who continue their work in colleges. A vast majority of our people leave their education with the primary schools, and it is in connection with them that we should consider this subject. If some attention should be given to the sources of history, it would show them how little they knew, and might start in them an ambition, and might lead them to pursue their historical education further after graduation from these secondary schools. I believe that these discussions are terribly complicated by reason of the gross ignorance regarding economics. Men who have little or no education, educate themselves in the great school of life. These discussions are terribly complicated by the conceit of ignorance on one side, and the learning on the other side. In civics a great deal is being done to make the child think that he or she is a partner in a great corporation.

"The fundamental principles of social ethics should be had in these secondary schools, and social economics and sociology should be taught in the colleges. But social ethics should be taught in these secondary schools because of the fact that the education of so many people ends there. In our theological seminaries, everything is viewed from the exclusive individualistic point of view, and one-half of our time is spent in breaking up this habit of looking at things from this exclusive individualistic point of view."

PROFESSOR E. W. BEMIS, of the University of Chicago: "I think it is well sometimes, to begin where others have left off, and I want to bring forward some of the conclusions of the meeting of the American Economic Association, recently held in New York. History should come first. The History of social development should be a part of that. In our high schools it was

thought that the first step should be to develop and emphasize industrial and social history. Prepare them to know that some things will be all right in some places and wrong in others. It has been my experience that there are seniors in our colleges who could not tell the difference between a firm and a corporation. The problems of banking should be studied. Corporations should be studied. The history of social institutions, the development of the family, the development of the state, are easy to tell and should be taught in the high schools."

PROFESSOR CRAIG, of Purdue University: "President Harper in his address of welcome made the statement that the inception of this conference was not from this place. In a neighboring state an organization has been known as the Social and Economic Association, and we have been working along the lines of the questions which I believe it is the object of this conference to consider. Many times we did not have very many members of the association present at our meetings, but all of the seven members are here present, or will be before the close of the conference. I know the condition of the secondary schools represented by those present in Ohio, Indiana, and Illinois. We cannot ignore the effect of the teaching in the high schools on the work in the colleges. In my institution three-fourths of the members of the freshman class are graduates of high schools. We find that history is taught in all of our high schools. I said is taught. I will say a word farther on as to how it is taught. We find that political economy takes its place in about one-fifth of our high schools. We find that sociology takes its place in about one-sixth of the institutions. We have corresponded with the principals of the high schools and find that they are ready to coöperate with us in regard to securing better instruction in these subjects. They claim lack of teachers, lack of material, lack of method, etc. It is fragmentary work. This represents the condition in the average schools. There are some schools in the states named where the subject of history is fairly well taught. I hope that some plans may be formulated by this conference that will put the teaching in these schools on a better basis. I believe that the time has come for us to set the pace, and the high school and the secondary schools will fall in with us and will adopt the steps that we take. I hope that steps may be taken that will put this on a firm basis."

PROFESSOR KNIGHT, of Columbus: "We must not get away from this fact, that when we speak of secondary schools we speak of a class which does not exist, and we cannot put all of them in a group and predicate anything of them. We cannot put all the

colleges and universities of this country in a group and predicate anything of them. Now as a matter of fact something like 60 to 70 per cent. of those who finish in the secondary schools finish in schools that have not to exceed three teachers, and to talk about teaching special branches in a school where there are only three teachers is to talk about something which has no practical bearing. Now it is true that in our high schools where we have fifteen or twenty teachers we can specialize; either we must have a text book that will do the work for the teacher, and the teacher will then only have to guide the student and measure out the work for the student, or we must, before we can expect any valuable work in the secondary schools, test our teachers. We have got to know whether our teachers have any knowledge outside of the text books. I put the question to a body of school teachers as to how money was raised to build school houses, and not one could tell me.

"It seems to me that we must recognize the conditions in the Mississippi Valley in considering this subject. I believe that the conditions in the Mississippi Valley are different from the conditions in the East."

PROFESSOR LAUGHLIN, of the University of Chicago: "This matter of the teaching of economics and history in the secondary schools strikes me as being one of the most interesting topics in our whole national life. We know that a very small fraction of the people of this country ever go to the universities or get any collegiate education. Therefore what economics is got by those who graduate from the high schools determines the policy of our nation. Therefore this becomes a prominent question. The difficulties in the work in the secondary schools depend upon the teacher. We must look to the college for the teacher who is to go into the secondary schools. Therefore, unmistakably, anything which affects the teacher directly affects these problems.

"The reason for the existence of a text-book in any secondary school is because of the inefficiency of the teachers. The essential principles of economics are not complicated. We can lay aside mooted questions and still have questions in economics which the high-school student can easily grasp. The time is not far distant when portfolios of charts can be had by the teacher of economics in the high school for purposes of explanation and illustration. If, therefore, the teacher be properly informed in his subject, he can first interest his student by means of these, and then march by easy steps to a good knowledge of economics. When we realize that unless some students get economics in the high schools they will never get it, we

will then recognize that something must be done. A fundamental principle can be taught. In one year it will be the study of greenbacks, in another it will be coinage; ten years hence it will be something else. I don't see any more difficulty in teaching these principles than in teaching percentage."

PROFESSOR HICKS, of the University of Missouri: "From a long experience in university teaching I cannot see that it is possible to teach these subjects specifically in the high schools. Two things I find my students lack most, and this is true whether these students come from high schools in Indiana, from Michigan high schools, or from Missouri high schools. These two things are, first, lack of power of independent thought—I find that the students confound the printed page with knowledge; and secondly, want of conception of social responsibility. Rights must be distinguished from individual desires. We are losing the disciplinary part in our public schools. Discipline is entirely subordinated to the securing of order and quiet. I would have the discipline so that students would be allowed more freedom. I would start in with that in the first year in the public school, substantially according to the so-called Kindergarten method."

Professor Craig moved that a committee composed of a member from each state represented in the conference be appointed to investigate the conditions as to the teaching of history, sociology, political economy, and political science in the states represented in this conference, such committee to report at some future meeting as to some method of bettering the teaching of these subjects. The motion was carried.

A motion was then made and carried for the appointment of a committee to take under advisement and report to this conference tomorrow upon the feasibility of a permanent organization.

This committee was appointed as follows: Professor Knight, Ohio; Professor J. L. Laughlin, Illinois; Professor Tuttle, Indiana; Professor Waldo, Michigan; Professor Haskins, Wisconsin; Professor Macy, Iowa; Professor Hicks, Missouri; Professor Folwell, Minnesota; Professor Blackmar, Kansas.

On motion, the meeting adjourned to meet at 10:00 A.M. January 3.

The conference assembled at 10:00 o'clock, January 3, in the *Chapel, Cobb Lecture Hall*.

Professor Laughlin called the meeting to order, and, suggesting the desirability of having some kind of organization, called for nominations for chairman. Professor Hicks, of Missouri, nominated Professor Laughlin as chairman of the temporary organization, and he was elected.

Motion was made and carried that the meeting adjourn at 12:00 m.

President Harper suggested that on account of the reception to the members of the conference at 4:00 P.M., the meeting be called to order at 2:00 P.M. instead of 3:00, as per programme. The suggestion was adopted.

The conference then proceeded to the programme of the morning.

PROFESSOR LAUGHLIN read the first paper, on "Methods of Teaching Political Economy,"

Abstract of the Address.

The peculiar characteristics of the subject should strongly influence the methods of teaching it. A science is a body of principles. Scientific teaching, therefore, is the teaching how to apply principles to all and every kind of its own subject matter. Hence the primary aim is not the subject matter, but the validity and scope of the principles. The aim of the teacher is not to give men knowledge, but power.

In order to create power and not give mere knowledge, it has been necessary to exchange the mere lecture system of the past for what might be called the laboratory method of teaching. And this modification runs parallel with modifications in the teaching of law schools. Mere lectures on what the law is have given place to the case system, in which the student is trained to think. So in political economy: instead of having the ground covered for him by a lecturer, the student is himself obliged to cover it, and to learn by his own mistakes.

Inasmuch as it is bad pedagogy in economics to set mere information above power, we should object to putting the student into economic history or into the history of the development of economic thought before he has assimilated those principles which will explain the relations of economic facts. And, moreover, if men are to be urged to get power, they must be constantly urged to make their own conclusions, to train themselves in the ability to weigh evidence, and to maintain a judicial attitude of mind. Thus the catchword of the instructor, in conclusion, should be "methods rather than information."

The second paper of the morning, on "Methods of Teaching Political Science" was then read by PROFESSOR MACY, who, in substance, spoke as follows:

Methods in education should be closely related to the form of government. An absolute monarchy assumes as an essential part of itself a dogmatic and authoritative system of education. If the people are taught self-help in matters of education they will in time help themselves in matters of government. The

Kindergarten and the modern scientific methods in education are preliminary steps to the development of democracy in government. If it is not our intention to continue the democratic experiment modern pedagogical methods should be discontinued. Since the modern scientific method tends to the development of democracy we would naturally conclude that this method should be followed in political education. But this is easier said than done. The promoters of modern science have found a field of learning in which victory over prejudice has been easy. Mere beliefs and opinions do not affect material phenomena. In dealing with material phenomena it is easy to be truth-loving and truth-telling. But political and social phenomena are, in large part, determined by beliefs and opinions. The dearest and most precious interests of life are involved. Prejudices are deep and vital. It is in politics that we most of all need the truth. The well-being of millions is dependent upon the ability to remove the lie from politics. Yet of all human undertakings this seems most difficult. There is progress in the application of modern methods to the treatment of the delinquent classes, such as criminals and paupers. There is progress also in the implication of science to matters of hygiene. But such questions are only incidentally connected with partisan politics. We can overcome prejudice in dealing with a delinquent class because we think of them as apart from ourselves. But in dealing with taxation, the standards of value, monopolies and corporate property, the relation of employers and employes, we, the people, are at the same time actors and subjects of the action. In such a case it is not possible to attain unto clearness of vision apart from the purpose of right conduct. Much of the ignorance of political conditions comes from moral delinquency; it is an ignorance that is to be repented of. There is a moral element in all education. The moral element is dominant in all attempts to gain a knowledge of present politics. This is the one hard place which all seek to avoid. After a nation or a generation is dead then there is an attempt to write its history. But so long as we confess ourselves unable to learn the truth concerning our own generation we ought not to believe it possible to learn the truth of any age. It is a fundamental principle of modern methods that the mind of the learner should be respected. Political opinions are not to be imposed. As the modern method advances the discovery will be made that we have lost the power to impose our so-called safe opinions upon others; that the attempt is likely to arouse prejudice against them. The teacher has done his best when he has himself used all his powers to form and clearly express his own opinions. He should see

to it that his pupils have better opportunities than he has had. The teacher of mathematics is often obliged to feign ignorance in order to give his pupils a chance to exercise their powers. But to the well informed and growing teacher of politics and current history there is ever present a large field of conscious ignorance to serve as a basis of helpful coöperation between teacher and pupil. The study of politics and current history involves a striving after the yet unattained. Real knowledge of such a subject involves, as a necessary incident, a multiplication of points of well defined and conscious ignorance. When a teacher of history ceases to learn from his pupils the probabilities are that his pupils have ceased to learn anything useful from him.

The subject was then thrown open to the house for discussion.

PROFESSOR JUDSON : "I want to say one word about this matter of methods developed by these two papers. The reader of the first paper referred to the law schools and their methods. The methods of law schools are three in number, the text-book method, the lecture method, and the laboratory method. I suppose that each method has its merits. I believe in the intelligent use of the text-book in some cases and in the lecture in some cases. In trying to find the best method, we must be guided by what we are trying to do with our student. The student wants to get hold of four things. He has to learn a certain amount of facts; he has to learn to correlate these facts under general principles; he has to learn how to find out facts and to find how they are correlated; he must learn how to build from facts new principles. If the student does not learn facts, of course he is ignorant. If he does not understand the relation of these facts, he is unintelligent. If he does not understand how to find facts, he is intellectually an imbecile. And if he cannot find principles himself he is slavish. If we turn out students who are ignorant, unintelligent, slavish, and imbecile, we have done little good. I believe in all of these methods, but believe that the text-book method should have a minor place. I do not believe that the lecture method, pure and simple, should be an exclusive system of instruction. It may stimulate classes, and occasionally may be used to give the instructor a chance to let off steam. In the long run it seems to me that the three or four things which we want to accomplish may be better accomplished by the laboratory method, and the best description of that method is that it is no method at all. It seems to me that the place of the instructor is not simply that of the preacher. He is not simply a fountain who pours out of his own store to others. He is the intellec-

tual guide of those working together for a common purpose. He is the chairman of the occasion. He has had more experience than those working with him. He finds that he will always be learning from his class and when he ceases to learn from them, they will cease to learn from him. It follows from this that the laboratory method should be the principal means to be used in our departments."

PROFESSOR CRAIG : "I would like to ask a question regarding a statement made by the reader of the first paper. It was stated, if I understood correctly, that the principles should be given before the facts,—that the principles should be given and that the material should be examined for the purpose of verifying those principles." Professor Laughlin replied that the view taken was one of pedagogics and not of methodology, and read from his paper to explain his position.

PRESIDENT LOW of Columbia College who was in the audience was asked to speak and responded as follows :

"My knowledge of methods is very slight. The subject you have discussed is of interest to me from the point of view of public life as well as from the point of view of the university. I was instructed by the paper I heard, the last paper, not having arrived in time to hear the first paper. I thought a great many of the positions were very well taken and very strongly put. A man who is to be a leader must be a man who trusts the people, and is in turn trusted by them. I think that almost every trust connected with public life as well as educational life has these two sides. Certainly both of these statements are eminently true in regard to the public man. Mr. Evarts has an illustration of the peculiarity of public life. It was immediately after my election as mayor of Brooklyn that Mr. Evarts remarked to me that political life was like navigation. The public man has got to do the best he can though it may not be the ideal; but it seems to me that an institution of learning should make clear to the student the ideal best as far as it is capable of being pointed out.

"Turning now to a point suggested by the last speaker, I recall an address by von Helmholtz, in the course of which he said that formerly men adopted theories and asked nature to accept the theories. But the change came when men started out to investigate facts, and collated many facts and tried to deduce the laws which accounted for them. I suppose this will produce a revolution in almost any branch of learning. I have the feeling that the laboratory method is the best method to the extent that it can be used in any line of study. I feel that the text-book method and the lecture method have their place. But it seems that to teach the student to observe, and to make

sound deductions, the laboratory method is one which should have the largest place in every system of education."

PROFESSOR SMALL: "The student of social science knows less about the fact he wants to know about than the student of any other branch of learning. It is comparatively easy to understand the things of the past and present. But what we want to know most is not what is and what has been, but what we want to know is, what ought to be. This is what the largest part of our social scientists rule out altogether. At the last meeting of the American Economic Association, it was said by the sociologists and economists that the dealing with things that ought to be could never have scientific treatment."

PROFESSOR TERRY: "Some years ago I gave up the idea of telling a man how he ought to teach. In the discussion of one of the papers, the words text-book method, lecture method, and laboratory method were spoken of as though there were three distinct and separate methods. Some text-book methods are all right. And so is the lecture method. I also think that there are lecture methods and lecture methods. It would be a revelation to some teachers if they would take up some of the notebooks of students in their classes and examine them. Some students get nothing from the lecture. The lecture method without something to follow it is simply useless. Now I find that the lecture method in history is necessary. It is exceedingly necessary at certain points in the progress of the student, because there is a certain amount of information which the student must have. You may tell a child that a certain animal has so many legs, and belongs to a certain class, etc. But if you follow this method in history the child would not learn much. The great problem of human advancement he would know little about. There is an ideal lecture method. I think that the lecture should be accompanied by reading. That reading should be not in general books but in the sources of history, and that can only be done with the advanced student. Of course your work must be followed by reviews. The mere lecture without the "quiz," without the examination will be futile. And again in the laboratory method I think there are methods and there are methods. There are a great many curious things in connection with the seminar. So many have a vague idea of the laboratory method. It is to some, merely something different from what they have had. The seminar method should be a workshop method. It should be a method by which the teacher ought to take the student into the workshop with him. They are in the workshop together, they learn together, and I believe there is no

other room for the seminar, especially in the teaching of history."

PROFESSOR FELLOWS: "It seems to me that we are not differing. It seems to me that there is just one thing more to be added to what has been said. There are text-book methods and lecture methods, but in the ideal laboratory method the text-book and the lecture method are both parts. That is, the text-book and the lecture both serve as material for investigation in the laboratory, and without them we could not conduct the laboratory. The scientists who are leaders in the laboratories, use text-books. I should be at a loss without some text-book to serve as material in the laboratory work. We are it seems also of one mind when we say that we are students together with those whom we instruct."

PROFESSOR HASKINS: "We cannot carry on the laboratory without some lectures. There is another function of the lecture and that is the inspiring function. The lecture can do better than the text-book in inspiring students. And if we wish to inspire students and carry them forward and show them the way in which their study leads, then we cannot ignore this feature of the system. I cannot, for myself at least, see how such work can be conducted without the use of the lecture."

Motion was then made and carried that the conference adjourn to meet at 2:00 P.M.

The afternoon session began at 2:00 P. M. with Professor Macy in the chair. Professor Turner, who was expected to read a paper on "Local Fields of Investigation" was unable to be present. Professor Hicks was asked to open the subject. In the course of his remarks, he touched on the question of permanent organization, which led to the presentation of the report of the committee on that subject. Professor Knight, secretary of the committee, presented the following resolutions:

Resolved: First, That it is the judgment of this conference that a permanent organization should be formed representing the four groups of studies—Political Science, Political Economy, History, and Sociology.

Second, That geographically the society should be limited to the territory of the central states of the Mississippi Valley.

Third, That instructors, investigators, and specialists in the four fields named, resident in the said territory, should be entitled to membership.

These resolutions were unanimously adopted.

Professor Knight then presented a draft of the constitution to be adopted. It was as follows:

First, This Society shall be called the Political Science Association of the Central States.

Second, The object of the Society shall be to promote study and mutual interests of these four departments.

Third, Membership in this Society shall be limited to instructors, investigators, and specialists in the four fields, resident in the territory.

Fourth, The membership fee shall be \$1.00 per year.

Fifth, The officers of the Society shall consist of one President, four Vice-Presidents, one Secretary, and one Treasurer, who together shall form the Executive Committee.

Sixth, The Society shall hold an annual meeting.

Seventh, No change shall be made in this constitution except by vote of three-fourths of the members, and after one year's notice.

The constitution was adopted. A committee of nomination was then appointed, consisting of Professors Judson, Waldo, and Hicks. After a short recess, this committee presented a report as follows:

President—Jesse Macy.

Vice-Presidents—Albion W. Small, Charles H. Haskins, H. C. Adams, and James A. Woodburn.

Secretary—G. W. Knight.

Treasurer—Frank W. Blackmar.

All were unanimously elected. A resolution was introduced asking the committee, if possible, so to arrange the yearly meetings as not to conflict with the meetings of Eastern Societies.

After a vote of thanks to the officers of the University of Chicago, the conference adjourned.

Following is a list of those present:

Cyrus W. Hodgin, Earlham College, Richmond, Ind.

Frederick C. Hicks, Missouri State University, Columbia, Mo.

Charles A. Tuttle, Wabash College, Crawfordsville, Ind.

George E. Fellows, University of Indiana, Bloomington, Ind.

Oscar J. Craig, Purdue University, La Fayette, Ind.

Nicholas Murray Butler, Columbia College, New York.

H. H. Freer, Cornell College, Mount Vernon, Iowa.
George W. Knight, Ohio State University, Columbus, Ohio.

James A. Woodburn, Indiana University, Bloomington, Ind.

Jessie R. Holmes, Knox College, Galesburg, Ill.

Dwight B. Waldo, Albion College, Albion, Mich.

John R. Effinger, Jr., University of Michigan, Ann Arbor, Mich.

Evarts B. Greene, University of Illinois, Urbana, Ill.

Henry K. White, University of State of Missouri, Columbia, Mo.

Jesse Macy, Iowa College, Grinnell, Iowa.

John J. Halsey, Lake Forest University, Lake Forest, Ill.

Charles H. Haskins, University of Wisconsin, Madison, Wis.

Frank W. Blackmar, University of Kansas, Lawrence, Kansas.

John Graham Brooks, Cambridge, Mass.

J. H. Finley, Knox College, Galesburg, Ill.

Leighton Williams, New York.

Graham Taylor, Chicago Theological Seminary.

Orville T. Bright, County Superintendent of Schools Chicago.

H. H. Belfield, Chicago Manual Training School.

H. R. Hatfield, Washington University, St. Louis, Mo.

The University of Chicago was represented by the following members:

J. L. Laughlin, H. P. Judson, H. E. von Holst, Albion W. Small, A. C. Miller, B. S. Terry, O. J. Thatcher, C. R. Henderson, E. W. Bemis, Ernst Freund, William Hill, Charles Zeublin, George E. Vincent, R. Catterall, Max West.

Walter S. Davis, Daniel Fulcomer, I. W. Howerth, Edward C. Page, E. C. Rossiter, James Westfall Thompson, Henry W. Thurston, George Tunell, W. C. Webster.

THE SCHOOL AND COLLEGE CONFERENCE.

CHAPEL, COBB LECTURE HALL, NOVEMBER 17, 1894.

The School and College Conference met in its regular semi-annual session, at the University of Chicago, November 17, 1894. President Harper as chairman of the Conference, introduced Professor Paul Shorey of the University who delivered an address on the subject of "Some Exaggerations of the New Education." There follows an abstract of this address.

The educational literature of the present day abounds in platitudes about moral and physical education. The school however is concerned mainly with intellectual training. Moral training is important, but the work of the school will always be mainly intellectual training.

The new pedagogical "isms" of the present day

tend to become mere catch-words, to foster the illusion that we may escape the past,—a past which is our only protection against reckless innovations. This tendency is a dangerous one. The limitations of the teacher have been and are a constant factor in education and warn us against cutting loose from the past. The ancient ideals must remain a part of our present ideals. By the study of the past we shall be able to discriminate between what may and what may not be done in the present.

In heralding new truth, the present tendency is to obscure old truth. For instance, showing that words and syllables may be discriminated as wholes in learning to read does not prove the uselessness of learning the alphabet. Criticism of the excessive attention paid in studying a foreign language to learning mere words and forms before we are ready to use them is not an argument, as some suppose, against learning one's Latin grammar.

Such a thing as a science of teaching, although possible, at present does not exist. If you wish to learn how to teach Latin or geometry you must go to the teacher of Latin or geometry, as the case may be, but not to the teacher of pedagogy. The normal school is not superior to the university as a place of instruction in methods of teaching. No one but a man who knows a subject can evolve a satisfactory method of teaching that subject.

No method of teaching can be evolved by the study of psychology unless it be a method of teaching psychology. Such maxims as "abstractions should follow concretes" are only half truths. Atrophy of faculty is due many times to our failure to teach abstractions soon enough. Much of the educational psychology of the day would lead one to think that teaching was a sort of natural magic: The fact that one deals with the subject of teaching does not prove that he can form a teacher.

We hear a good deal of criticism today of mere memory work, cramming and examinations. The trouble with our education today is not that we memorize too much but that we memorize the wrong thing and things in the wrong order. Memory supplies the tissue and substance of all thinking. Even cramming or memorizing the thing we need on the spur of the moment is of great value.

Indirection in teaching is another fault of the new education—teaching a subject not for the purpose of mastering it but for some indirect benefit, discipline or culture that is supposed to result from its study. In teaching anything worth teaching at all we should aim not at discipline in general but to secure the ability to do some definite, particular thing. In teaching

a language, let us aim at a practical mastery of it; in teaching history, not at a training of the judgment, but at a mastery of facts.

Sound American scholarship exists today, not as a result of our system of education, but in spite of it.

PRESIDENT HARPER: I think this is one of the vital questions. The great evil of American teaching today is lack of knowledge of the subject, lack of thoroughness. I have nothing to say against normal schools and normal instruction of any kind, and yet it is true, as the men and women who come from these schools confess again and again, that the time has been occupied in the study of methods instead of acquiring a knowledge of the subject. If this is a tendency of the new education, then attention should be called to it as an evil. Why have we no department of pedagogy in this university? Partly because of the lack of funds, and still more because it is as yet uncertain what the scope of such a department should be. The university itself is a pedagogical laboratory and every man in it is a teacher of pedagogy.

After discussion by Mr. Findlay and others,

PROFESSOR I. B. BURGESS, of the Morgan Park Academy, read the following paper on the subject of "Latin Composition in the Secondary Schools."

Latin Composition, at least in secondary schools, should be pursued, not as an end in itself but as a means toward gaining a more complete control of the language. A more thorough grasp of the Latin vocabulary and of Latin syntax may be gained through writing Latin than in any other way. Latin composition is both more thorough and more rapid than questioning upon syntax. Without a knowledge of Latin syntax and full control of a Latin vocabulary of fair extent but little progress can be made in the work of translating or reading Latin.

It is agreed on all hands in these days that Latin composition should be based on Latin text. In practice however we are often inconsistent with this view of the method of composition. A teacher is inconsistent when he corrects a mistake in Latin composition by referring immediately to the syntactical rule rather than to the text containing the construction under examination. Again he is inconsistent when he requires in composition knowledge not supplied by the text upon which the composition is professedly based. Instead of supplying a large number of notes to supplement the text it is much better to give a simpler English passage for which everything required will be found in the Latin text. An excellent example of this is found in the little composition based upon *Cæsar*, prepared by F. P. Simpson and published by Macmillan. Thirdly, the teacher is inconsistent with the idea that

he should base his Latin upon his text when he emphasizes matters which are neither representative of his author's style nor of classical Latin in general. The teacher must guard against fads.

Latin composition cannot be properly taught by single weekly exercises or by exercises twice a week. It should begin with the easiest possible exercises upon the first day of Latin study and be continued through the whole four years. While reading prose there should be daily exercises in composition of some kind or other and even while reading poetry there should be frequent exercises in composition. These exercises in composition may be largely incidental. One method of thus teaching composition is suggested by the Latin Conference of the Committee of Ten as follows: "When a mistake is made in translation the teacher should always himself state or ask some one in the class to state what the Latin would be for the English actually given."

Another method of Latin composition is to read to the class a part of the review, while they, with their books closed, give the Latin for what has been read. In the earliest stages of Latin study the giving of Latin paradigms and Latin composition may be made identical exercises. For instance—the word *Gaul* may be completely declined by inserting its proper case in little sentences like the following; "The Gaul is here." "The Gauls are here." "He sees the Gaul." "He sees the Gauls" and so on. An admirable way to give the verb forms is to require the Latin for such little sentences as: "He is preparing;" "He was preparing;" "It is being prepared;" "About to be prepared;" "He had prepared;" and so on. The simpler the sentences are in the earlier stages of the work the better. The first thing necessary in learning a language is to master the forms and the vocabulary, and syntax should be reduced to a minimum. It is interesting to see how many Latin sentences may be made which involve no principles of syntax not covered by English grammar. Of course the uses of the subjunctive must be brought in to some extent, but if the usages of indirect discourse and those syntactical principles involved in purpose and result clauses are well mastered in an elementary way but little more ought to be done on the subjunctive during the first two years. In later work upon Cicero the more difficult matters of syntax will be much more in place.

It has been my feeling for some time that we are at present erring in two directions with reference to Latin composition. We make it too difficult at the beginning and too easy at the end. At the beginning of the work in composition only a part of a

chapter should be prepared by the pupil for composition, but at the end of the four years exercises may well be based upon ten or fifteen chapters or even upon idiomatic English passages involving no difficult modern ideas and taken from classic English writers.

A serious difficulty is that in many cases pupils do not write their exercises independently enough. They prepare their written exercises in their textbook in their rooms, where they have opportunity constantly to refer to their grammars, their vocabularies and the text in question. They prepare oral exercises in the same way. The teacher must not forget that, if he would prepare his pupils for a college examination, a very large amount of work must be done under precisely the same conditions as in the college examination. That is to say a pupil must write many exercises in a limited time, provided only with pencil, examination paper and the knowledge of Latin which he actually carries in his own brain. Furthermore sentences thus written should be of such a nature as to test the pupil's power to apply principles and use vocabulary and should not merely test his verbal memory. I find it necessary in my classes which are reading prose authors to give such exercises as I have here described every other day on an average. It should be understood that these exercises are short. I often correct the exercises of a whole class in half an hour. When the exercises are passed back, thorough explanation is given with emphasis upon points where a lack of knowledge was shown by a considerable number. Grammar lessons upon these weak points are a frequent supplement to these exercises. Systematic grammatical work should be done in connection with the composition and based upon the authors read. For instance, all the conditional clauses in the "First Speech against Catiline" might be collected and classified. Or from the same speech examples of all common syntactical principles might be drawn. These should be repeated frequently as a rapid exercise in Latin composition.

Work in composition must be concentrated and cumulative, and not scattered. If your class shows a weakness on the clause of negative purpose (as it is usually classed) exercise after exercise must be given to the class on that particular clause and given, too, in so many different ways and with so many different words that every possibility of verbal memory will be cut off.

I have prefaced this paper with a few remarks upon the utility of Latin composition to the pupil; may I conclude it with a few observations upon its advantages to the teacher. First of all, it requires him, if he would not be put to shame before his class, to

scrutinize the text which he is reading. If he cannot read much, he may know the little which he reads well, and that is much. The report of the Latin Conference of the Committee of Ten quotes what George Long says with reference to the "Cato Major": "This small treatise alone if thoroughly mastered would make a man a good Latin scholar."

Again the work of correcting Latin papers properly is necessarily broadening. The teacher must know not only one correct way of saying a thing in Latin but all the ways sanctioned by the best usage of classical prose. Thirdly and lastly the work of correcting Latin composition is to my mind as likely to beget active sympathy with one's students as any employment which falls to a teacher's lot. There is time in this work, as there is not in the rapid movement of the recitation room, to consider just what the pupil's idea in the seemingly hopeless tangle of words may be. There is time to consider just how much is right and how much is wrong. There is time to learn on just what points, as a rule, pupils will make mistakes and just why they make these mistakes. Thus the work of Latin composition may be a sharpener of sympathy with your pupils, a study in psychology, and a constant guide in the oral work of the classroom.

In the afternoon session of the conference Mr. J. J. Findlay, member of the Royal Commission on Secondary Education, England, addressed the conference on the subject "The Higher Training of Teachers:"

"In answer to Professor Shorey's criticisms of modern pedagogy I would state that pedagogy deals not only with subjects and methods of teaching them, but also with the organization of education. Professor Shorey's criticisms are pertinent to the subject of methods of teaching but they leave untouched the question of organization of education. I admit that much of the work of modern pedagogical writers is not of immediate practical value. I think the same thing is true of much of the experimental work of modern scientists and even of the work of classical students who are at work on new readings, etc., of classical writers. No one proposes on that account to abolish experimental work in natural science or researches in philology. This experimental tentative work in science and philology as well as in pedagogy is well worth doing and will advance the cause of education.

The time has come on account of the progress in allied lines of thought when good results can be obtained from the systematic study of pedagogy. The province of the university is to investigate and to teach all subjects. Why not undertake the subject

of pedagogy? The organization of education needs formal treatment as a branch of pedagogy.

The distinction between higher training and normal training is not one of kind, but one of degree. We recognize the need of special training for the physician, the lawyer and even the agriculturist; why not for the teacher? Teachers are today in the same condition, so far as opportunities for professional training are concerned, that physicians were a hundred years ago.

A complete professional course for teachers demands scholarship—complete mastery of the one or more branches of knowledge one has to teach. In addition to this preliminary, general scholarship, the teacher should have specific scholarship related to the professional studies which come thereafter. The teacher should study ethics, experimental psychology, physiology and one practical science. The scientific habit of thought is all-important for the teacher.

A complete professional course for teachers demands knowledge of the science or theory of education, including the three branches of aim, organization and system. I have no sympathy with the opinion that teachers are born, not made. Teachers stand in this respect on the same footing as other professional men. The teacher can, in a degree at least, be made, and the possession of an ordered systematic body of thought on pedagogy is a factor in making him. The very teachers who deny pedagogy have an ordered body of thought on pedagogy.

A complete professional course for teachers demands skill, the result of art, or practice of education, including skill in speech and training, the two arts of expression. A course in pedagogy should include practice in teaching under competent supervision in some good school.

A complete professional course for teachers demands investigation, research and experiment carried on by strictly scientific methods. This is especially needful since pedagogy is in its infancy. Pedagogy has been too speculative in character in the past. Pedagogical work has been done by men like Professor Bain, and Herbert Spencer who have had no practical experience in the school room.

The only place in Europe where these demands have been met in any great degree is Germany. Germany has gained experience in three directions, to-wit:

A—From the reformers in their schools: Pestalozzi, the Herbartians, Froebel. The early reformers were practical teachers. The age of the reformer is over, however. The attitude of the government in Germany is hostile to reformers of their system of education.

B—The universities. The universities have never admitted the need of practical research. Pedagogy has usually been taught from a speculative point of view by the philosophers or theologians, but speculative pedagogy has been a failure. The special merit of the Herbartians, whatever we may think of the result of their work, is their practical attitude towards the question of education; their use of experiment and investigation. Halle is the only university where laboratory methods in the study of pedagogy have been used.

C—Secondary schools. The training of teachers in Germany has not been left to the universities but has been carried on in connection with the system of secondary schools. In Germany they recognize the fact that lecturers in the universities can never train teachers of secondary schools. Some actual training in teaching under competent supervision is necessary.

In conclusion I would urge: A—that theory and practice must go hand in hand. B—Progress can only be achieved through freedom. Freedom, or at least variety, is the rule in this country. C—Pedagogy is not a science apart, but dependent upon ethics, sociology, politics, psychology, and physiology. D—The reformer needs to join hands with the universities—neither can succeed alone. There is danger that the universities shall be alienated from the general public. As the province of the university is the investigation and solution of the problems of the age, they must not refuse to participate in the solution of the problem of general education, if they wish to perform their proper services to society. There is no problem in which the American people are more interested than in the problem of education.

PROFESSOR SHOREY: If Mr. Findlay's admissions and my qualifications are taken into account we shall not differ very materially. The emphasis which is put upon method at present stands in the way of the teacher's real education. Americans are too ready today to borrow German ideas about education. We need rather to borrow from English education their

old-fashioned thoroughness. Practically no such thing exists today as a science of pedagogy. I challenge anyone to state a single practical conclusion that is not a mere truism.

PROFESSOR BURGESS: Was not the Boston experiment of inquiring into the contents of children's minds a practical and beneficial pedagogical investigation?

PROFESSOR SHOREY: Children can be tormented into admitting anything, and I have the strongest of *a priori* reasons for believing that they were so tormented in the Boston experiment.

MR. FINDLAY: Pedagogy has interpreted truisms and made them a part of our rational conscience. A large part of the teaching of philosophy has been of the same character. The fact that the conclusions were truisms does not invalidate the claims of such teaching to be practical and valuable.

PROFESSOR TOLMAN: Is it not a fact that the man with a method on new education in particular, is permitted to teach in our schools today while the man with an education and without a method is not? Does not the normal graduate have an advantage over the college graduate in securing positions in our schools?

SUPERINTENDENT NIGHTINGALE: I am of the opinion that some time all teachers of both primary and secondary schools will be college graduates. The college of the future will take the place of the normal school in preparing teachers.

A statement was made as to the difficulty as to the teaching of biology in the Chicago high schools, and objections were made to the laboratory work in dissecting—that it was indelicate and unnecessary, and that the Chicago Board of Education seemed disposed to go back to the old-fashioned method of pursuing the study.

SUPERINTENDENT DOUGHERTY, of Peoria, moved that a committee of six be appointed to draw up a set of resolutions expressing the regret of the conference that such a change was contemplated. Messrs. Chamberlin, Whitman, Dougherty, Cornish, Campbell, and Butler were selected for such committee.

SECOND ANNUAL CONFERENCE OF TEACHERS OF CHEMISTRY.

KENT CHEMICAL LABORATORY.

DECEMBER 31, 1894, 2:30 P.M. to 5:45 P.M., and JANUARY 1, 1895, 10:00 A.M. to 12:45 P.M.

The meeting was called to order by the Secretary, Professor Nef, who gave a brief account of the meeting of last year and read the report of the committee defining the aims and objects of the conference. Professor Judson welcomed the visitors on behalf of

President Harper, who was unable to be present. The members then elected Professor Daniels, of the University of Wisconsin, Chairman of the Conference. After a brief adjournment to enable the members to get acquainted with one another, and after a letter of

greeting from Professor Prescott, of the University of Michigan, had been read, the Conference proceeded to the discussion of the three questions proposed for the meeting by the Committee of Arrangements (Messrs. Nef, Baker, and Freer).

Discussion on the first question: "What requirements in other sciences, *e. g.*, in Mathematics and Physics, should be made of students entering Chemistry?" After a discussion of two hours on this question, in which over half of those present took part, the Conference passed unanimously the following resolution:

Resolved: That in our opinion the study of Physics should precede that of Chemistry in the high schools.

A committee was then appointed, consisting of Messrs. Freer, Noyes, and A. Smith, to draw up the reasons for this action on the part of the conference.

There was also considerable discussion on the question as to whether the study of College Physics should precede that of College Chemistry, it being the opinion of many present that this should be the case, but it was deemed unwise to take any action on this question.

Discussion on the second question: "What is the maximum amount of preliminary work in Chemistry which can be required for admission to colleges, and of what nature should such work be?" This question was very thoroughly discussed, and the following action was taken by the Conference:

Resolved: That the time allotted to Chemistry in the secondary schools would be best devoted to the consideration of the fundamental principles of Elementary Chemistry, and that the laboratory work should be such as shall best illustrate these principles.

It was the unanimous opinion of those present that qualitative analysis, as such, should not be introduced into the course. The Conference finally appointed a committee, consisting of Messrs. Freer, Swan, and Linebarger, to draw up an outline of study for the secondary schools on the basis of the above resolution, this committee to report at the next annual meeting of the Conference.

Discussion on the third question: "The importance of encouraging teachers to do research work, and the great value and influence such work has on the teaching of Chemistry in the colleges." In the estimation of the Conference it was self-evident that enthusiastic workers in the science make the best teachers of the science. The difficulties which teachers have to encounter with college presidents, boards of education, and boards of trustees, in convincing these of the desirability, nay, even the necessity, of encouraging teachers in research work in order to get the best

results in teaching, were presented. On the other hand, it was pointed out that the fault very often lies with the teacher, who has inadequate training or no real love or enthusiasm for his subject. The opinion of the Conference was finally embodied in the following resolution, which was passed unanimously:

Resolved: That it is of the greatest importance to encourage teachers in doing research work, and by this is meant work which is an actual contribution to human knowledge, for such work has the greatest value and influence on the teaching of Chemistry in high schools and colleges.

The Committee of Arrangements for the next year was thereupon empowered to draw up a circular which in some way should draw the attention of boards of trustees and boards of education to this important matter, in order to convince them of the great advantage to the cause of education, as well as the practicability from an economical and business point of view, which comes from equipping a laboratory for teaching Chemistry with the necessary books, material, and apparatus to enable the teacher to prosecute research work.

The Conference thereupon, after considering an invitation from Professor Prescott to meet at Ann Arbor, decided to meet next year in Chicago about January 1, and elected Professors Nef, Noyes, and Daniels as the Committee of Arrangements.

The following chemists were present:

T. G. Allen, Armour Institute.
 P. S. Baker, De Pauw University.
 A. Bernhard, University of Chicago.
 R. S. Curtiss, University of Chicago.
 W. W. Daniels, University of Wisconsin.
 W. F. Edwards, University of Michigan.
 D. Fall, Albion College.
 J. C. Foye, Armour Institute.
 P. C. Freer, University of Michigan.
 R. O. Graham, Illinois Wesleyan University.
 J. P. Grapfield, Chicago.
 M. Ikuta, University of Chicago.
 W. B. Johnson, Franklin College.
 Mr. Kauffmann, Northwestern University.
 F. Lengfeld, University of Chicago.
 C. E. Linebarger, Chicago South Division High School.
 Mr. Lichty, University of Michigan.
 F. L. Morse, Chicago West Division High School.
 J. U. Nef, University of Chicago.
 W. A. Noyes, Rose Polytechnic Institute.
 A. W. Palmer, University of Illinois.
 J. H. Ransom, Chicago Manual Training School.
 J. B. Russell, Wheaton College.

J. H. Salisbury, Northwestern University.
A. P. Saunders, University of Wisconsin.
P. H. Seymour, Lake Forest University.
A. Smith, University of Chicago.
A. L. Smith, Englewood High School.

J. N. Swan, Monmouth College.
J. Stieglitz, University of Chicago.
A. E. Strong, Ypsilanti High School.
M. S. Walker, Racine High School.
Thirty-two men, representing twenty institutions.

**MEETING OF THE SEVERAL SCHOOLS OF THE UNIVERSITY,
WITH THEIR ADMINISTRATIVE BOARDS.**

CHAPEL OR FACULTY ROOM, COBB LECTURE HALL, MONDAYS AT 12:30 P.M.

By order of the Council the usual Chapel exercise has been omitted each Monday, the several schools meeting on that day of the week with their respective administrative boards. The following meetings have been held from October 8 to December 17, 1894:

1. GRADUATE SCHOOL OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the Graduate School of Arts and Literature, and of the Ogden (Graduate) School of Science, viz.:
October 8. HEAD PROFESSOR THOMAS C. CHAMBERLIN on *Glacial Studies in Greenland*.
November 12. MR. J. J. FINDLAY on *Arnold of Rugby*.
December 10. HEAD PROFESSOR JOHN DEWEY on *Psychology as a University Study*.
2. DIVINITY SCHOOL STUDENTS met with the members of the Divinity Faculty, viz.:
October 15. HEAD PROFESSOR HULBERT on *Impressions of German University Methods*. HEAD PROFESSOR BURTON on *Shall American Students study Theology in Germany?*
November 5. HEAD PROFESSOR ANDERSON and ASSOCIATE PROFESSOR JOHNSON on *Vacation Experiences*.
December 3. Addresses by ASSOCIATE PROFESSOR SHAILER MATHEWS on *Two Opportunities of*

- the Modern Pastor* and ASSISTANT PROFESSOR MONCIEF on *A Fourteenth Century Parson*.
3. UNIVERSITY COLLEGES OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the University Colleges, viz.:
October 22. PROFESSOR ROLLIN D. SALISBURY on *The Field Work of the Summer Class in Geology*.
November 19. MR. J. J. FINDLAY on *The Herbartian Curriculum with reference to Recent Experiments in Modern Language-Teaching at Jena*.
December 17. PRESIDENT HARPER on *College Discipline*. HEAD PROFESSOR HARRY PRATT JUDSON on the same subject. Report by a Students' Committee, S. D. BARNES, Chairman.
June 13. ASSOCIATE PROFESSOR CARL D. BUCK on *Comparative Philology*.
4. ACADEMIC COLLEGES OF ARTS, LITERATURE, AND SCIENCE met with the Administrative Board of the Academic Colleges, viz.:
October 29. PRESIDENT HARPER on *The Work of the Academic College Student*.
November 26. ASSOCIATE PROFESSOR MCCLINTOCK on *Speaking in Public*.
December 17. Joint meeting with University Colleges.

The University (Proper).

DIRECTORY OF OFFICERS, INSTRUCTORS, AND FELLOWS IN ALL DEPARTMENTS OF THE UNIVERSITY.

ABBREVIATIONS:—B=Beecher Hall; D=Divinity Dormitory; F=Nancy Foster Hall; G=Graduate Dormitory; K=Kent Chemical Laboratory; Kl=Kelly Hall; R=Ryerson Physical Laboratory; Sn=Snell Hall; W=Walker Museum.

A, B, C, D, in parentheses, refer to the floors of Cobb Lecture Hall.

Numerals indicate the numbers of recitation rooms for the Spring Quarter.

ABBOTT, FRANK FROST,* <i>Prof. and Examiner.</i> (B. 2-8)	BOARDMAN, GEORGE DANA, <i>Prof. Lect.</i>	Philadelphia.
ALDEN, G. H., <i>Fel.</i>	BOISE, JAMES ROBINSON, <i>Prof.†</i> (D. 11-12)	361, 65th st., Englewood.
AMES, EDWARD S., <i>Fel.</i>	BOLZA, OSKAR, <i>Prof.</i> (R. 38)	5721 Monroe av.
ANDERSON, GALUSHA, <i>Head Prof.</i> (D. 7)	BOWEN, CHARLES C., <i>Trustee.</i>	Detroit, Mich.
ANDERSON, KATE, <i>Tutor.</i> (Gymnasium)	BOWEN, MARY, <i>Fel.</i>	Oxford, England.
ANGELL, JAMES R., <i>Assist. Prof.</i> (R. 33)	BOYD, JAMES HARRINGTON, <i>Tutor.</i> (R. 36 and 38)	357, 58th st.
ARNOLT, W. MUSS-, <i>Instr. and Assist. Rec.</i> (D. 16)	BOYER, E. R., <i>Fel.</i>	536, 61st st.
ATKINS, E. C., <i>Trustee.</i>	BRAINARD, HARRIET C., <i>Hon. Fel.</i>	1301 Wabash av.
AUSTIN, R. H., <i>Trustee.</i>	BRAYTON, WILLIAM B., <i>Trustee.</i>	Blue Island.
BAILEY, JOSEPH M., <i>Trustee.</i>	BREASTED, JAMES H., <i>Assist.</i> (D. 15)	Cairo, Egypt.
BARRETT, STORRS BARROWS, <i>Fel.</i>	BRODE, HOWARD S., <i>Fel.</i>	804, 64th st.
BARROWS, JOHN HENRY, <i>Prof. Lect.</i> (D. 16)	BRONSON, FRANK M., <i>Assist. Prof.</i>	Morgan Park.
BARTLETT, EMMELINE B., <i>Fel.</i>	BROWN, GEORGE L., <i>Fel.</i>	5836 Drexel av.
BAUR, GEORGE, <i>Assist. Prof.</i> (W. 3d floor)	BUCK, CARL D., <i>Assoc. Prof.</i> (B. 3)	6041 Monroe av.
BEMIS, EDWARD W., <i>Assoc. Prof.</i> (A. 5 and C. 10)	BULKLEY, JULIA E.,* <i>Assoc. Prof. and Dean.</i> 23 Friestrasse, Zürich, Switzerland.	
BERGERON, EUGÈNE, <i>Assist. Prof.</i> (B. 16)	BURGESS, ISAAC BRONSON, <i>Assoc. Prof.</i>	Morgan Park.
BERNHARD, ADOLPH, <i>Assist.</i> (K.)	BURNHAM, S. W., <i>Prof.</i> (R.)	3647 Vincennes av.
BLACKBURN, FRANCIS ADELBERT, <i>Assist. Prof.</i> (D. 9)	BURTON, ERNEST D., <i>Head Prof.</i> (D. 11)	6071 Edgerton av.
BLAKE, E. NELSON, <i>Pres. of Trust. of Theol. Union.</i> Arlington, Mass.	BUTLER, NATHANIEL, <i>Assoc. Prof. and Director of University Extension Division.</i> (A. 5)	5625 Monroe av.

* On leave of absence.

†Died February 9, 1895.

CALDWELL, ERNEST L., <i>Instr.</i>		CUTLER, SUSAN RHODA, <i>Fel.</i>	
CALVERT, GEORGE C., <i>Fel.</i>	Morgan Park.	CUTTING, STARR W., <i>Assoc. Prof.</i>	438, 57th st.
CAPPS, EDWARD,* <i>Assist. Prof.</i>	6009 Ellis av.	(B. 9 and 10)	5606 Ellis av.
(B. 2-8)	Munich, Germany.	DAHL, OLAUS, <i>Lecturer.</i>	
CARMAN, GEORGE NOBLE, <i>Assoc. Prof. and Dean.</i>		(A. 5, B. 9 and 14)	15 G.
CARPENTER, FREDERIC IVES, <i>Hon. Fel.</i>	Morgan Park.	DAINS, FRANK B., <i>Fel.</i>	
(D. 9)	5515 Woodlawn av.		5759 Madison av.
CASTLE, CLARENCE F., <i>Assist. Prof.</i>		DAVIS, WALTER S., <i>Fel.</i>	5722 Kimbark av.
(B. 7)	5440 Monroe av.	DEWEY, JOHN, <i>Head Prof.</i>	
CATTERALL, R. C. H., <i>Reader.</i>		(C. 14)	Europe.
(C. 8)	5646 Monroe av.	DICKSON, LEONARD E., <i>Fel.</i>	
CHAMBERLIN, THOMAS CHROWDER, <i>Head Prof.</i>			5515 Woodlawn av.
<i>and Director of the Museums.</i>		DIXSON, ZELLA A., <i>Assist. Libr.</i>	The Geneva, 57th st.
(W.)	5041 Madison av.	(General Library.)	
CHANDLER, CHARLES, <i>Prof.</i>		DONALDSON, HENRY HERBERT, <i>Prof. and Dean.</i>	
(B. 5)	5731 Monroe av.	(K. 14 and 42)	5428 Monroe av.
CHAPMAN, JOHN H., <i>Trustee.</i>		ELLERMAN, FERDINAND, <i>Assist.</i>	
	136 West Washington st.	(R.)	5729 Kimbark av.
CHASE, CHARLES W., <i>Dir. Univ. Press.</i>		ERICKSON, FRANK M., <i>Fel.</i>	6461 Myrtle av.
(A. 3)	438, 57th st.	EYOLESHYMER, ALBERT C., <i>Assist.</i>	
CHASE, WAYLAND JOHNSON, <i>Instr.</i>	Morgan Park.	(K. 37)	223, 54th st.
		FELSENTHAL, ELI B., <i>Trustee.</i>	472, 47th st.
CHILD, CHARLES M., <i>Fel.</i>		FERTIG, JAMES W., <i>Fel.</i>	5722 Kimbark av.
CLAPP, CORNELIA M., <i>Fel.</i>		FOSTER, GEO. B., <i>Assoc. Prof.</i>	
	3154 Prairie av.	(D. 2)	
CLARK, S. H., <i>Instr.</i>		FOWLER, FRANK HAMILTON, <i>Fel.</i>	
(K. Theatre)	Vermont apartments, 575, 51st st.		5810 Drexel av.
CLOSSON, CARLOS C., Jr., <i>Instr.</i>		FRANCE, WILMER C., <i>Fel.</i>	
(C. 3 and 7)	16 G.		26 F.
COFFIN, FULTON J., <i>Fel.</i>		FREEUND, ERNST, <i>Instr.</i>	
(D. 16)	23 G.	(C. 10)	Hotel Barry.
CONGER, CHARLES T., <i>Assist.</i>		GILBERT, EMMA LARGE, <i>Fel.</i>	
(C. 9 and 13)	21 G.		27 B.
COOKE, ELIZABETH, <i>Fel.</i>		GILLESPIE, WILLIAM, <i>Fel.</i>	
	Non-resident.		351, 58th st.
CORNISH, ROBERT H., <i>Assist. Prof.</i>		GOLDTHWAITE, NELLIE E., <i>Fel.</i>	
	Morgan Park.		38 F.
CORTHELL, ELMER L., <i>Trustee.</i>		GOODMAN, EDWARD, <i>Trustee.</i>	
	37 Bellevue pl.; 184 La Salle st.		4406 Ellis av.
COULTER, JOHN M., <i>Prof. Lect.</i>		GOODSPEED, GEORGE STEPHEN, <i>Assoc. Prof.</i>	
(W. 3d floor)	Lake Forest.	(D. 16)	Hotel Barry.
CRANDALL, CLARK EUGENE, <i>Instr.</i>		GOODSPEED, THOMAS W., <i>Secretary of Trustees.</i>	
(A. 5 and D. 15)	5455 Monroe av.	(A. 7)	5630 Kimbark av.
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	4445 Berkeley av.		5620 Ellis av.
CRANDALL, REGINA K., <i>Fel.</i>		GORDON, CHARLES H., <i>Fel.</i>	
	45 B.		6046 Washington av.
CROW, MARTHA FOOTE, <i>Assist. Prof.</i>		GOULD, ALICE B., <i>Fel.</i>	
(B. 16 and C. 14)	2970 Groveland av.		25 F.
CURTISS, RICHARD S., <i>Docent.</i>		GRANT, JOHN C., <i>Dean, Kenwood Institute.</i>	
(K. 20)	2545 Indiana av.		2011 Michigan av.
		GROSE, HOWARD BENJAMIN, <i>Assist. Prof., Rec.</i>	
		<i>and Registrar.</i>	
		(A. 1)	5620 Ellis av.

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- GUNDERSEN, H., *Assist Prof.*
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- HALE, WILLIAM GARDNER, *Head Prof.*
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- HAMILTON, D. G., *Trustee.*
2929 Michigan av.
- HAMMOND, THEODORE M., *Steward.*
6150 Ingleside av.
- HANCOCK, HARRIS, *Assist.*
(B. 9, C. 13, and R. 38) 5714 Kimbark av.
- HARDING, WILLIAM F., *Fel.*
5816 Washington av.
- HARDY, SARAH McLEAN, *Fel.*
6023 Ellis av.
- HARPER, ROBERT FRANCIS, *Assoc. Prof.*
(D. 13) The Colonies Hotel.
- HARPER, WILLIAM RAINEY, *President.*
(A. 9 and D. 15) 5657 Washington av.
- HEIDEL, WILLIAM A., *Fel.*
5488 Ellis av.
- HEIM, EPHRAIM M., *Fel.*
5727 Kimbark av.
- HENDERSON, CHARLES RICHMOND, *Assoc. Prof. and Chaplain.*
(C. 11) 51, 53d st.
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3249 S. Park av.
- HERRICK, ROBERT WELCH, *Instr.*
(D. 1 and 8) 5747 Lexington av.
- HESSE, BERNHARD CONRAD, *Fel.*
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- HEWITT, C. E., *Financial Secretary of Theol. Union.*
(A. 4) 5535 Lexington av.
- HILL, WILLIAM, *Instr.*
(C. 3 and 5) 16 G.
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- HIRSCH, EMIL G., *Prof.*
(D. 13) 3612 Grand boul.
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500 W. Monroe st.
- HOLMES, WILLIAM H., *Prof.*
(W.)
- HOLST, HERMANN EDUARD VON, *Head Prof.*
(C. 7 and 9) 255 E. 61st st.
- HOOVER, WILLIAM, *Assist. Prof.*
(A. 5) Athens, Ohio.
- HOPKINS, THOMAS CRAMER, *Fel.*
6149 Woodlawn av.
- HOWLAND, GEORGE C., *Instr.*
(B. 12 and 13) 5735 Washington av.
- HOXIE, ROBERT F., *Fel.*
5727 Kimbark av.
- HULBERT, ERI BAKER, *Head Prof. and Dean.*
(D. 6) Hotel Barry.
- HUSSEY, GEORGE B., *Docent.*
(B. 2-8) 24 G.
- HUTCHINSON, CHARLES L., *Treasurer.*
217 LaSalle st.; 2709 Prairie av.
- IDDINGS, JOSEPH PAXSON, *Assoc. Prof.*
(W.) 5757 Madison av.
- IKUTA, MASSUO, *Assist.*
(K.) 344, 57th st.
- JENSEN, NELS PETER, *Prof. and Dean.**
2719 Indiana av.
- JOFFE, SOLOMON A., *Fel.*
179 Johnson st.
- JOHNSON, FRANKLIN, *Assoc. Prof. and Dean.*
(D. 11) Hotel Barry.
- JONES, LAURA A., *Fel.*
21 F.
- JORDAN, EDWIN O., *Instr.*
(K. 13 and 37) 5316 Jackson av.
- JUDSON, HARRY PRATT, *Head Prof. and Dean of the Faculty.*
(C. 10) Hotel Barry.
- KENT, CHARLES F., *Instr.*
(A. 5 and D. 16) 2 G.
- KERN, PAUL OSCAR, *Fel.*
5827 Kimbark av.
- KLENZE, CAMILLO VON, *Instr.*
(B. 9 and 10) 270, 56th st.
- KOHLSAAT, HERMANN H., *Trustee.*
2978 Prairie av.
- KÜMMEL, HENRY B., *Fel.*
537, 55th st.
- LAGERGREN, CARL G., *Prof. and Dean.*
Morgan Park.
- LAUGHLIN, J. LAURENCE, *Head Prof.*
(C. 3) 5747 Lexington av.
- LAVES, KURT, *Reader.*
(R. 35) 5836 Drexel av.
- LAWRENCE, WILLIAM M., *Trustee.*
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- LENGFELD, FELIX, *Instructor.*
(K. 20) 5515 Woodlawn av.
- LEWIS, EDWIN H., *Tutor.*
(D. 1 and 8) 6032 Ellis av.

*On leave of absence.

- LINGLE, DAVID J., *Instr.*
(R. 34) 477, 56th st.
- LINSCOTT, HENRY FARRAR, *Fel.*
4000 Drexel boul.
- LOEB, JACQUES, *Assist. Prof.*
(R. 34) 6460 Monroe av.
- LOVETT, ROBERT MORSS, *Instr.*
(D. 8) 17 Sn.
- MALLORY, HERVEY FOSTER, *Fel.*
Non-resident.
- MANN, CHARLES W., *Dean, Chicago Academy.*
786 W. Jackson st.
- MASCHKE, HEINRICH, *Assist. Prof.*
(R. 36) 5721 Monroe av.
- MATHEWS, SHAILER, *Assoc. Prof.*
(D. 2) Hotel Barry.
- McCLINTOCK, WILLIAM D., *Assoc. Prof. and Dean.*
(D. 8) 5745 Madison av.
- McLEISH, ANDREW, *Trustee.*
Glencoe.
- McLENNAN, S. F., *Assist.*
(R. 33) 615, 55th st.
- MEAD, ALBERT D., *Fel.*
17 Ray st.
- MEAD, GEORGE H., *Assist. Prof.*
(C. 13) Jackson av. and 58th st.
- MERRIAM, JOHN C., *Docent.*
(W.) 5509 Monroe av.
- MEYER, ADOLPH, *Docent.*
(K. 14 and 42) Kankakee.
- MICHELSON, ALBERT A., *Head Prof.*
(R. 26 and 27) 125, 51st st.
- MILLER, ADOLPH C., *Prof.*
(C. 3) Hotel Barry.
- MILLER, FRANK JUSTUS, *Assist. Prof. and Assist.*
Exam.
(A. 8 and B. 6) 5410 Madison av.
- MILLION, JOHN W., *Fel.*
3226 Calumet av.
- MONORIEF, J. W., *Assist. Prof.*
(D. 6) 6032 Ellis av.
- MOORE, ADDISON W., *Fel.*
6025 Ellis av.
- MOORE, CLIFFORD H., *Instr.*
(B. 8) 6032 Ellis av.
- MOORE, ELIAKIM HASTINGS, *Prof.*
(R. 36) 5830 Washington av.
- MORGAN, OSCAR T., *Fel.*
Des Moines, Ia.
- MORRISON, A. M., *Assistant.*
(R.) 6027 Ellis av.
- MORTEN, NELS H., *Assist. Prof.*
Morgan Park.
- MOSLEY, JOEL R., *Fel.*
(C. 11) Macon, Ga.
- MOULTON, RICHARD GREEN, *Prof.*
(A. 5 and D. 9) The Colonies Hotel.
- MULFINGER, GEORGE A., *Reader.*
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- MUNSON, JOHN P., *Fel.*
25 Perry av.
- MYERS, G. W., *Fel.*
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- NEEDHAM, C. W., *Trustee.*
Washington, D.C.
- NEF, JOHN ULRIC, *Prof.*
(K. 20 and 21) 5425 Cottage Grove av.
- NEFF, THEODORE L., *Fel.*
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- NORTHROP, GEORGE WASHINGTON, *Head Prof.*
(D. 2) 5735 Monroe av.
- OWEN, WILLIAM BISHOP, *Tutor.*
(B. 2) 5719 Monroe av.
- PALMER, ALICE FREEMAN, *Prof. and Dean.*
(C. 5-8) Kl.
- PARKER, ALONZO K., *Trustee.*
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- PARKER, A. O., *Chief Eng. and Superintendent.*
248, 53d st.
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- PECK, FERD. W., *Trustee.*
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- PEET, CHARLES E., *Fel.*
5620 Ellis av.
- PENROSE, R. A. F., JR., *Assoc. Prof.*
(W.) 5540 Monroe av.
- PERREN, C., *Trustee.*
978 W. Adams st.
- PETERSON, F., *Trustee.*
Minneapolis, Minn.
- PILLSBURY, HON. GEORGE A., *Trustee.*
Minneapolis, Minn.
- POYEN-BELLISLE, RENÉ DE, *Assist.*
(B. 12) 174 Oakwood boul.
- PRATT, ALICE E., *Fel.*
21 F.
- PRICE, IRA MAURICE, *Assoc. Prof.*
(D. 11 and 15) Morgan Park.
- QUEREAU, EDMUND C., *Assist.*
(W.) 5757 Madison av.
- RAYCROFT, J. E., *Assist.*
(Gymnasium) 21 Sn.
- RAYMOND, JEROME H., *Sec. Class-study.*
(A. 5) 6054 Sheridan av.
- READ, ELIPHALET A., *Fel.*
129 D.
- REYNOLDS, MYRA, *Assist.*
(D. 8) F.

REYNOLDS, EMILY K., <i>Fel.</i>	10 F.	SMITH, J. A., <i>Trustee.</i>	69 Dearborn st.
ROBERTSON, GEO. EUSTIS, <i>Cashier.</i>		SMITH, JAMES ARCHY, <i>Fel.</i>	326, 57th st.
(A. 1)	5646 Monroe av.	SMITH, WAYNE P., <i>Hon. Fel.</i>	
ROBERTSON, JOSEPHINE C., <i>Cataloguer.</i>		SMITH, WILLARD A., <i>Trustee.</i>	1525 Old Colony ; 3256 Rhodes av.
(General Library)	5718 Kimbark av.	SQUIRES, VERNON PURINTON, <i>Fel.</i>	14 G.
ROBERTSON, LUANNA, <i>Instr.</i>	Morgan Park.	STAGG, A. ALONZO, <i>Assoc. Prof.</i>	5728 Madison av.
ROCKEFELLER, JOHN D., <i>Trustee.</i>	New York, N. Y.	(Gymnasium)	
ROWLEY, F. H., <i>Trustee.</i>	Oak Park.	STARR, FREDERICK, <i>Assist. Prof.</i>	5800 Jackson av.
RUST, HENRY A., <i>Comptroller.</i>	1 Aldine Square.	(W. 3d floor)	
(A. 7)		STETSON, HERBERT LEE, <i>Dean, Des Moines College.</i>	Des Moines, Iowa.
RYERSON, MARTIN A., <i>President of Trustees.</i>	701 Chamber of Commerce Building ; 4851 Drexel Boulevard.	STIEGLITZ, JULIUS, <i>Instr.</i>	5479 Lexington av.
		(K. 24)	
SALISBURY, ROLLIN D., <i>Prof. and Dean.</i>	5540 Monroe av.	STRATTON, SAMUEL W., <i>Assoc. Prof.</i>	5717 Madison av.
(W.)		(R. 19, 21, 31, and 32)	
SANDELL, ERIC, <i>Assist. Prof.</i>	Morgan Park	STRONG, CHARLES A., <i>Assoc. Prof.</i>	5516 Woodlawn av.
SCHOBINGER, JOHN J., <i>Dean, The Harvard School.</i>	Morgan Park.	(C. 17)	
SCHWILL, FERDINAND, <i>Tutor.*</i>	Florence, Italy.	STUART, HENRY W., <i>Fel.</i>	6025 Ellis av.
(C. 5-8)		SWARTZ, SAMUEL ELLIS, <i>Fel.</i>	5622 Ellis av.
SCOFIELD, CORA L., <i>Fel.</i>	35 B.	TALBOT, MARION, <i>Assist. Prof. and Dean.</i>	7 Kl.
SCRIBNER, S. A., <i>Trustee.</i>		(C. 11)	
Room 303, 169 Jackson ; 226 Ashland boul.		TARBELL, FRANK BIGELOW, <i>Prof.</i>	Hotel Barry.
SCROGIN, L. P., <i>Trustee.</i>	Lexington.	(B. 2)	
SEE, T. J. J., <i>Assist.</i>	5714 Kimbark av.	TERRY, BENJAMIN S., <i>Prof.</i>	5835 Madison av.
(R. 35)		(C. 7)	
SHEPARDSON, FRANCIS WAYLAND, <i>Assist.</i>	5475 Kimbark av.	THATCHER, OLIVER JOSEPH, <i>Assoc. Prof.</i>	28 G.
(A. 5, C. 7 and 9)		(A. 5 and C. 8.)	
SHIPLEY, FREDERICK W., <i>Fel.</i>	14 G.	THOMAS, WILLIAM ISAAC, <i>Fel.</i>	6420 Lexington av.
SHOREY, DANIEL L., <i>Trustee.</i>	5520 Woodlawn av.	(C. 10)	
SHOREY, PAUL, <i>Prof.</i>	5516 Woodlawn av.	THOMPSON, JAMES WESTFALL, <i>Fel.</i>	5496 Ellis av.
(B. 2)		TOLMAN, ALBERT H., <i>Assist. Prof. and Assist. Exam.</i>	5468 Monroe av.
SIEBENTHAL, CLAUDE E., <i>Fel.</i>		(A. 8 and D. 8)	
SLAUGHT, HERBERT E., <i>Reader.</i>	440, 64th st., Englewood.	TREADWELL, A. L., <i>Fel.</i>	Oxford, O.
(R.)		TRIGGS, OSCAR L., <i>Docent.</i>	21 G.
SMALL, ALBION W., <i>Head Prof.</i>	5731 Washington av.	(D. 8)	
(C. 8 and 10)		TUFTS, JAMES H., <i>Assoc. Prof.</i>	7154 Euclid av.
SMALL, CHARLES PORTER, <i>Exam. Physician.</i>	(Waite Block), 53d st. and Lake av.	(C. 17)	
SMITH, ALEXANDER, <i>Assist. Prof.</i>	5724 Madison av.	TUNELL, GEORGE, <i>Fel.</i>	5748 Kimbark av.
(K. 20)		TUNNICLIFF, HELEN H., <i>Hon. Fel.</i>	5 F.
SMITH, FREDERICK A., <i>Trustee.</i>	25, 132 La Salle ; Hotel Metropole.	VAN HISE, C. R., <i>Prof.</i>	Madison, Wis.
		(W.)	
		VEBLEN, THORSTEIN B., <i>Tutor.</i>	573, 61st st.
		(C. 3)	

*In Europe, on leave of absence.

VINCENT, GEORGE E., <i>Assist.</i> (C. 8)	The Colonies Hotel.	WHEELER, WILLIAM MORTON, <i>Instr.</i> (K. 37)	324, 57th st.
VOTAW, CLYDE WEBER, <i>Tutor.</i> (D. 16)	437, 61st st.	WHITEHEAD, LOUIS G., <i>Fel.</i>	5329 Greenwood av.
WADSWORTH, F. L. O., <i>Assist. Prof.</i> (R. 20, 31, and 41)		WHITMAN, CHARLES O., <i>Head Prof.</i> (K. 22)	223, 54th st.
WAIT, W. W., <i>Trustee.</i>	124 Washington boul.	WHITNEY, ALBERT WURTS, <i>Fel.</i>	5815 Madison av.
WALCOTT, CHARLES DOOLITTLE, <i>Prof.</i> (W.)	Washington, D. C.	WIGHTMAN, A. R., <i>Assist.</i>	Morgan Park.
WALKER, ARTHUR TAPPAN, <i>Assist.</i> (B. 7)	5810 Drexel av.	WILKINSON, WILLIAM CLEAVER, <i>Prof.</i> (D. 8-10)	361 E. 58th st.
WALKER, DEAN AUGUSTUS, <i>Fel.</i>	143 D.	WILLETT, H. L., <i>Acting Dean.</i>	5716 Kimbark av.
WALKER, FLORENCE M., <i>Fel.</i>	5620 Ellis av.	WILLIAMS, LEIGHTON, <i>Trustee.</i>	New York, N. Y.
WALKER, GEORGE C., <i>Trustee.</i>	567 The Rookery; 228 Michigan av.	WILLIAMS, WARDNER, <i>Assist.</i> (K. Theatre)	5812 Drexel av
WARTENBERG, H. SCHMIDT., <i>Assist. Prof.</i> (B. 9 and 10)	5700 Kimbark av.	WITKOWSKY, ESTHER, <i>Fel.</i>	2802 Prairie av.
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WEATHERLOW, JANE K., <i>Fel.</i>	47 F.	WISHART, A. W., <i>Fel.</i>	5825 Kimbark av.
WELCH, JEANETTE C., <i>Fel.</i>	5620 Ellis av.	WOLD, THORE OLSEN, <i>Instr.</i>	Morgan Park.
WEST, GERALD M., <i>Docent.</i> (W. 3d floor)	623, 55th st.	WOOD, F. A., <i>Fel.</i> (B. 9)	5825 Jackson av.
WEST, MAX, <i>Docent.</i> (C. 8)	5613 Kimbark av.	WOODRUFF, CHARLES E., <i>Fel.</i>	26 D.
		YOUNG, J. W. A., <i>Instr.</i> (R. 38 and D. 15)	5758 Washington av.
		ZEUBLIN, CHARLES, <i>Instr.</i> (A. 5).	6052 Sheridan av.

CLASSIFICATION AND DIRECTORY OF STUDENTS IN ATTENDANCE, WINTER QUARTER, 1895.

ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Hall.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Aber, William Martin,	A.B. (<i>Yale University</i>) '78. Latin, Greek. 1.	Chicago.	5471 Kimbark av.
Adams, Annie Lewis,	S.B. (<i>Lake Forest University</i>) '93. Greek, Latin. 1.	Chicago.	864 S. Ashland av.
Alden, George Henry,	S.B. (<i>Carleton College</i>) '91; A.B. (<i>Harvard University</i>) '93. History, Political Science. 4.	Waseca, Minn.	5800 Jackson av.
Allen, Cora Adell,	Ph.B. (<i>Hiram College</i>) '92. English, Philosophy. 1.	Akron, O.	552 E. 55th st.
Ames, Edward Scribner,	A.B. (<i>Drake University</i>) '89; D.B. (<i>Yale University</i>) '92. Philosophy, Psychology. 2.	Chicago.	5492 Ellis av.
Amlie, Thomas R.,	S.B. (<i>Iowa State Normal</i>) '89; Ph.B. (<i>Ibid.</i>) '94. Latin, English. 1.	Ridgeway, Ia.	5622 Ellis av.
Anderson, Clara Potter,	S.B. (<i>Wellesley College</i>) '83. English.	Kalamazoo, Mich.	F.
Atwater, Charles Jackson,	A.B. (<i>Hiram College</i>) '88. Latin, Greek. 1.	Hastings, Neb.	6147 Woodlawn av.
Atwater, Ellen Elizabeth,	A.B. (<i>Cotner University</i>) '91. History. 1.	Hastings, Neb.	6147 Woodlawn av.
Bailey, Leslie Adelbert,	A.B. (<i>Haverford College</i>) '93; A.M. (<i>Ibid.</i>) '94. Latin, Greek. 1.	Dresden Mills, Me.	6126 Wharton av.
Baldwin, James Fosdick,	A.B. (<i>Denison University</i>) '93. History. 1.	Granville, O.	5831 Madison av.
Ball, Fanny Danforth,	A.B. (<i>University of Michigan</i>) '83. History. 1.	Grand Rapids, Mich.	5622 Ellis av.
Barrett, Don Carlos,	A.B. (<i>Earlham College</i>) '89; A.M. (<i>Ibid.</i>) '93. Political Economy, Political Science. 4.	Spring Valley, O.	5754 Washington av.
Bartlett, Emeline Barstow,	A.B. (<i>Vassar College</i>) '94. Greek, Comparative Philology. 1.	Providence, R. I.	F.
Barton, Anna Eliza,	L.B. (<i>Smith College</i>) '92. History, Political Science.	Freeport.	566 Kenwood Place.
Beardsley, George,	Ph.B. (<i>University of Iowa</i>) '93. English. 1.	Burlington, Ia.	5709 Drexel av.
Berry, George Ricker,	A.B. (<i>Colby University</i>) '85; A.M. (<i>Ibid.</i>) '88. Semitic. 7.	West Sumner, Me.	5455 Monroe av.
Blaine, Harriet Gertrude,	A.B. (<i>Oberlin College</i>) '90. Greek, Latin. 4.	Oberlin, O.	F.
Boggs, Amy,	Ph.B. (<i>Cornell College</i>) '87. English. 2.	Manchester, Ia.	5728 Madison av.
Boyd, Carl Evans,	Ph.B. (<i>University of Michigan</i>) '94. Political Science, History, Political Economy.	Noblesville, Ind.	5620 Ellis av.
Brainard, Harriet C.,	Ph.B. (<i>Cornell University</i>) '76. English, Psychology. 6½.	Chicago.	1301 Wabash av..

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Brown, Bertha Mary,	S.B. (<i>St. Lawrence University</i>) '87. German, English. 1.	<i>Crary Mills, N. Y.</i>	17 Kl.
Burnham, Mary,	A.B. (<i>Oberlin College</i>) '94. Philosophy. 1.	<i>Burlington, Kans.</i>	473, 56th st.
Calvert, George Chambers,	Ph.B. (<i>DePauw University</i>) '93; A.M. (<i>Ibid.</i>) '94. Political Economy, Political Science. 1.	<i>Charleston.</i>	6009 Ellis av.
Campbell, Calvin Victor,	A.B. (<i>Victoria University</i>) '90. Philosophy, Anthropology. 2½.	<i>Ottawa, Ont.</i>	5494 Ellis av.
Carr, Edwin Stutely,	A.B. (<i>Knox College</i>) '82; A.M. (<i>Ibid.</i>) '85; D.B. (<i>Yale University</i>) '85; A.M. (<i>Harvard University</i>) '94. Philosophy.	<i>Stillman Valley.</i>	Stillman Valley.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Archaeology. 4½.	<i>Nashville, Tenn.</i>	5802 Jackson av.
Clark, Hannah Belle,	A.B. (<i>Smith College</i>) '87. Social Science. 7.	<i>Chicago.</i>	5312 Madison av.
Cobb, Wilbur Cliff,	A.B. (<i>Cornell College</i>) '89; A.B. (<i>Harvard University</i>) '94. Latin, Greek. 1.	<i>Vinton, Ia.</i>	5700 Jackson av.
Coffin, Fulton Johnson,	A.B. (<i>Dalhousie College</i>) '87; A.M. (<i>Princeton College</i>) '89. Comparative Religion, Church History. 2.	<i>Mt. Stewart, Prince Edward Isl. Canada.</i>	23 G.
Crandall, Regina Katherine,	A.B. (<i>Smith College</i>) '90. History, Political Science. 4.	<i>Brooklyn, N. Y.</i>	45 B.
Crotty, Millia Alice,	A.B. (<i>University of Kansas</i>) '92. English, German. 4.	<i>Burlington, Kans.</i>	B.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. 5½.	<i>Talladega, Ala.</i>	438, 57th st.
Dana, Mary Ida,	A.B. (<i>Olivet College</i>) '85; A.M. (<i>Ibid.</i>) '88. Latin, German. 1.	<i>Waltham.</i>	623, 55th st.
Daniels, Lulu Celeste,	L.B. (<i>University of Wisconsin</i>) '79. Political Science, History. 2.	<i>LaCrosse, Wis.</i>	5700 Kimbark av.
Daniels, Mary Lucretia,	A.B. (<i>University of Chicago</i>) '94. Latin, Greek. 1½.	<i>New Haven, Conn.</i>	F.
Davidson, Hannah Frances,	A.B. and A.M. (<i>Kalamazoo College</i>) '84. English.	<i>Abilene, Kan.</i>	455 E. 55th st.
Davies, Anna Freeman,	A.B. (<i>Lake Forest University</i>) '89; A.M. (<i>Ibid.</i>) '91. Social Science. 7.	<i>Lake Forest.</i>	Lake Forest.
Davis, Walter Scott,	A.B. (<i>DePauw University</i>) '89; A.M. (<i>Cornell University</i>) '92. History, Political Science. 5.	<i>North Salem, Ind.</i>	5722 Kimbark av.
Dorman, John Benjamin,	A.B. (<i>Clinton Academy</i>) '85; S.B. (<i>State University of Missouri</i>) '91; Ph.B. (<i>Ibid.</i>) '91. Political Science, History. 4.	<i>Clinton, Mo.</i>	5632 Ingleside av.
Dunn, Arthur William,	A.B. (<i>Knox College</i>) '93. Social Science, Zoology. 4.	<i>Galesburg.</i>	5800 Jackson av.
Durbin, Eva Comstock,	S.B. (<i>Hillsdale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History. 5.	<i>Chicago.</i>	455, 55th st.
Dye, Friend Taylor,	A.B. (<i>Marietta College</i>) '91. Sociology.	<i>Lockhart's Run, W. Va.</i>	573 E. 61st st.
Earle, Mabel,	A.B. (<i>College of Montana</i>) '94. Latin. 1.	<i>Deer Lodge, Mont.</i>	5733 Ingleside av.
Echlin, Henry Magifford,	S.B. (<i>Northwestern University</i>) '92. Political Science, Sociology. 1.	<i>Toronto, Ont.</i>	6054 Sheridan av.
Erickson, Frank Morton,	A.B. (<i>Wabash College</i>) '92. Greek, Sanskrit. 1.	<i>Kendallville, Ind.</i>	6461 Myrtle av.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Greek. 3¼.	<i>Chicago.</i>	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '91. History, Political Science. 5.	<i>Nashville, Tenn.</i>	5722 Kimbark av.
Forrest, Albertina Allen,	Ph.B. (<i>Hiram College</i>) '93. English, Philosophy. 1.	<i>Chicago.</i>	552 E. 55th st.
Forrest, Jacob Dorsey,	A.B. (<i>Hiram College</i>) '92; A.M. (<i>Ibid.</i>) '92. Sociology, Political Economy. 1.	<i>Chicago.</i>	552 E. 55th st.
Fowler, Frank Hamilton,	A.B. (<i>Lombard University</i>) '90. Sanskrit, Comparative Philology, Latin. 7¼.	<i>Bradford.</i>	5810 Drexel av.
France, Wilmer Cave,	A.B. (<i>Cambridge University, England</i>) '92. Greek, Latin. 3.	<i>Tysley, Warwick-shire, Eng.</i>	26 F.
Franklin, Frank George,	S.B. (<i>Cornell University</i>) '87. History.	<i>Plover, Wis.</i>	5632 Ingleside av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Fulcomer, Daniel,	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science, Pedagogy. 5.	<i>Grand Rapids, Mich.</i>	689 E. 57th st.
Gaud, William Steen,	A.B. (<i>University of Chicago</i>) '93. English. 1.	<i>Chicago.</i>	5610 Madison av.
Gilbert, Emma Large,	A.B. (<i>Cornell University</i>) '90. Latin, Greek. 4.	<i>Holicong, Pa.</i>	B.
Glover, Ethel Adelia,	A.B. (<i>Wellesley College</i>) '90. Political Science, History. 2.	<i>Washington, D. C.</i>	Kl.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. New Test. Greek, Semitic. 7.	<i>Chicago.</i>	5630 Kimbark av.
Gordis, Warren Stone,	A.B. (<i>University of Rochester</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Greek. 2.	<i>De Land, Fla.</i>	5620 Ellis av,
Gow, John Russell,	A.B. (<i>Brown University</i>) '77; D.B. (<i>Newton Theological Institution</i>) '82. Social Science, Anthropology. 7.	<i>Chicago.</i>	275, 52d st.
Hadley, William Aaron,	A.B. (<i>Earlham College</i>) '81; A.M. (<i>University of Minnesota</i>) '89. German, Latin, French.	<i>Minneapolis, Minn.</i>	5800 Jackson av.
Harding, William Fletcher,	A.B. (<i>University of Indiana</i>) '93. Political Economy, Political Science. 1.	<i>Indianapolis, Ind.</i>	5816 Washington av.
Hardy, Sarah McLean,	Ph.B. (<i>University of California</i>) '93. Political Economy, History. 4.	<i>Berkeley, Cal.</i>	6030 Ellis av.
Harris, Norman Dwight,	Ph.B. (<i>Yale University</i>) '92. History. 1.	<i>Chicago.</i>	4520 Drexel boul.
Hastings, Charles Harris,	A.B. (<i>Bowdoin College</i>) '91. History, Social Science. 4.	<i>Bethel, Me.</i>	440, 57th st.
Heidel, William Arthur,	A.B. (<i>Central Wesleyan College</i>) '88; A.M. (<i>Ibid.</i>) '91. Greek, Latin. 2.	<i>Warrington, Mo.</i>	5488 Ellis av.
Heim, Ephraim M.,	A.B. (<i>Bucknell University</i>) '93. History, Political Science. 1.	<i>Warrens ville, Mo.</i>	5727 Kimbark av.
Helmer, Clara Seymour,	S.B. (<i>Wellesley College</i>) '93. History. 1.	<i>Chicago.</i>	34 Aldine Square.
Henry, William Elmer,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 3.	<i>Greentown, Ind.</i>	5515 Woodlawn av.
Herrick, Jullien Avery,	S.B. (<i>La Grange College</i>) '92. Philosophy.	<i>La Grange, Mo.</i>	129 D.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. Systematic Theology. 10.	<i>Pavilion.</i>	10137 Jefferson av.
Hosford, Frances Juliette,	A.B. (<i>Oberlin College</i>) '91. Latin. 1½.	<i>Oberlin, O.</i>	6218 Woodlawn av.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '83. Social Science, Political Economy. 5.	<i>Chicago.</i>	5800 Jackson av.
Hoxie, Robert Franklin,	Ph.B. (<i>University of Chicago</i>) '93. Political Economy, History. 4.	<i>Yorkville, N. Y.</i>	5727 Kimbark av.
Hussey, George Benjamin,	A.B. (<i>Columbia College</i>) '84; Ph.D. (<i>Johns Hopkins University</i>) '87. Latin, Greek. 1.	<i>East Orange, N. J.</i>	29 G.
Hutchison, Jennie Gordon,	A.B. (<i>Buena Vista College</i>) '93. Greek, Latin. 1.	<i>Cherokee, Ia.</i>	5558 Lexington av.
Hutchison, Katharine Irwin,	A.B. (<i>Monmouth College</i>) '81; A.M. (<i>Ibid.</i>) '84. Philosophy, Greek. 1.	<i>Cherokee, Ia.</i>	5558 Lexington av.
Jaffa, Meir,	A.B. (<i>Columbia College</i>) '94. Semitic. 1.	<i>Lilienthal, Germany.</i>	2 Sn.
Jones, Arthur Winslow,	A.B. (<i>Haverford College</i>) '85; A.M. (<i>Ibid.</i>) '90. Latin, Greek. 1.	<i>South China, Me.</i>	6126 Wharton av.
Jones, Florence Nightingale,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>State University of Nebraska</i>) '91. Comparative Philology, Latin. 5.	<i>Lincoln, Neb.</i>	155, 53d st.
Jones, Jessie Louise,	A.B. (<i>Doane College</i>) '84. German. 5½.	<i>Lincoln, Neb.</i>	155, 53d st.
Jones, Laura Amelia,	A.B. (<i>Wellesley College</i>) '82; A.M. (<i>Ibid.</i>) '91. Biblical History, Semitic. 7.	<i>Chelsea, Mass.</i>	F.
Jordan, Elsie Fay,	A.B. (<i>Smith College</i>) '92. German. 1.	<i>Chicago.</i>	5316 Jackson av.
Jude, George Washington,	A.B. (<i>Otterbein University</i>) '91. History, Political Economy. 4½.	<i>Sugar Grove, Pa.</i>	5724 Drexel av.
Keith, Eleanor May,	Ph.B. (<i>University of Chicago</i>) '94. English, History. 1.	<i>Ottawa, Kane.</i>	5724 Drexel av.
Kern, Paul Oscar,	(<i>Berlin University, Germany</i>) German. 6.	<i>Chicago.</i>	5827 Kimbark av.
Kirkwood, Agnes Jean,	A.B. (<i>College of Emporia, Kans.</i>) '92. English, Latin. 1.	<i>Wooster, O.</i>	F.
Knox, Frances Ada,	A.B. (<i>University of Minnesota</i>) '92. History, Political Science. 5.	<i>Salem, Ore.</i>	6121 Ellis av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Kruse, William Henry,	A.B. (<i>University of Chicago</i>) '94. Greek, Latin. 1.	Beecher.	623, 55th st.
Learned, Henry Barrett,	A.B. (<i>Harvard University</i>) '90; A.M. (<i>University of Chicago</i>) '94. History, Political Economy, 4.	St. Louis, Mo.	13 G.
Linfield, Frances Eleanor Ross,	A.B. (<i>Elmira College</i>) '73; A.M. (<i>Ibid.</i>) '78. English, German. 2.	Beaver Dam, Wis.	3715 Langley av.
Linscott, Henry Farrar,	A.B. (<i>Bowdoin College</i>) '92 Comparative Philology Latin. 7.	Chicago.	4000 Drexel boul.
Lisk, Charles Wayland,	A.B. (<i>Brown University</i>) '90. Semitic, Biblical Greek.	Bordentown, N. J.	134 D.
Love, Mary Edith,	Ph.B. (<i>Cornell College</i>) '91. English, Philosophy. 4.	Marion, Ia.	F.
Lovell, Helen Louisa,	A.B. (<i>University of Michigan</i>) '87. Greek, Latin. 1.	Flint, Mich.	5800 Jackson av.
MacCracken, Anna Martha,	Ph.B. (<i>University of Michigan</i>) '94. Latin, Philosophy.	Xenia, O.	5822 Drexel av.
MacLean, Jessie Mildred,	A.B. (<i>Acadia College</i>) '93; A.M. (<i>Ibid.</i>) '94. English.	Wolfville, N. S.	539, 55th st.
MacLean, Murdoch Haddon,	A.B. (<i>Acadia College</i>) '92. History. 4½.	Wolfville, N. S.	539, 55th st.
Maddocks, Caroline Shaw,	A.B. (<i>Wellesley College</i>) '90. English. 4½.	Chicago.	5622 Ellis av.
Marot, Mary Louise,	S.B. (<i>University of Chicago</i>) '94. Comparative Religion, Philosophy. 1.	Dayton, O.	22 F.
Mather, Sedgewick,	A.B. (<i>Colgate University</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin, Greek. 1.	Belleville, N. Y.	326 E. 57th st.
Mathias, James William,	A.B. (<i>Adelbert College</i>) '94. Greek, Latin. 1.	Parksley, Va.	5122 Ashland av.
Mauntel, Christian Henry,	A.B. (<i>Indiana University</i>) '94. History.	Terre Haute, Ind.	543, 55th st.
McCasky, Harriet Louise,	A.B. (<i>Northwestern University</i>) '92. History. 3.	Chicago.	790 Monroe st.
McIntosh, Jessie Irene,	A.B. (<i>Highland University</i>) '94. Greek, Latin. 1.	Highland Kans.	356, 56th st.
McLennan, Simon Fraser,	A.B. (<i>Toronto University</i>) '93. Philosophy.	Pinkerton, Ont.	615, 55th st.
Mendenhall, Alice Ann,	A.B. (<i>Earlham College</i>) '90. Semitic. 1.	Bloomington, Ind.	389, 57th st.
Milligan, Henry Forsythe,	D.B. (<i>Reformed Episcopal Divinity School, Philadelphia, Pa.</i>) '90; A.B. (<i>University of Chicago</i>) '93. Philosophy, New Test. Greek. 3.	Chicago.	195, 37th st.
Million, John Wilson,	A.B. (<i>William Jewell College</i>) '89; A.M. (<i>Ibid.</i>) '91. Political Economy, History. 6½.	Watson, Mo.	3226 Calumet av.
Monroe, Paul,	S.B. (<i>Franklin College</i>) '90. Sociology, Political Economy. 1.	Franklin, Ind.	578 E. 60th st.
Montgomery, Louise,	S.B. (<i>University of Minnesota</i>) '90. Political Economy. 1.	Minneapolis, Minn.	5418 Greenwood av.
Moore, Addison Webster,	A.B. (<i>De Pauw University</i>) '90; A.M. (<i>Ibid.</i>) '93. Philosophy, Sociology. 1.	Terre Haute, Ind.	6127 Ellis av.
Moore, Ella Adams,	Ph.B. (<i>De Pauw University</i>) '92. English. 1.	Terre Haute, Ind.	6127 Ellis av.
Mulfinger, George A.,	A.B. (<i>Northwestern University</i>) '85. German, English. 4½.	Chicago.	6046 Oglesby av.
Munson, John Augustus,	A.B. (<i>Central University</i>) '91; A.M. (<i>University of Michigan</i>) '94. German. 1.	Chicago.	5711 Ingleside av.
Murphy, Henry, Constance,	Ph.B. (<i>University of Chicago</i>) '95. Romance, English.	Woodstock.	5661 Washington av.
Neff, Theodore Lee,	Ph.B. (<i>Asbury, now DePauw, University</i>) '83; A.M. (<i>DePauw University</i>) '86. Romance Languages. 5.	Iowa City, Ia.	543, 55th st.
Nesbit, Sophronia E.,	A.B. (<i>Carthage College</i>) '78. English.	Des Moines, Ia.	5810 Drexel av.
Noyes, Edmund Spencer,	A.B. (<i>Beloit College</i>) '92. Political Science, History, Political Economy.	Evanston.	5537 Lexington av.
Owen, Ernest Jones,	A.B. (<i>Denison University</i>) '93. Greek. 4.	Newark, O.	449, 55th st.
Owen, William Bishop,	A.B. (<i>Denison University</i>) '87; D.B. (<i>Morgan Park Theological Seminary</i>) '91. Comparative Philology, Greek.	Chicago.	5719 Monroe av.
Page, Edward Carlton,	A.B. (<i>Northwestern University</i>) '88. History, Political Science. 4.	Chicago.	193 E. 54th st.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Paschal, George Washington,	A.B. (<i>Wake Forest College</i>) '92. Greek, Latin. 4.	<i>Siler City, N. C.</i>	623, 55th st.
Payne, Ona Hamlin,	A.M. (<i>Franklin College</i>) '92; Ph.D. (<i>Ibid.</i>) '94. Greek.	<i>Franklin, Ind.,</i>	Kl.
Pratt, Alice Edwards,	Ph.B. (<i>University of California</i>) '81; A.M. (<i>University of Chicago</i>) '93. English, Philosophy. 6.	<i>St. Helena, Cal.</i>	F.
Provine, Bertha,	A.B. (<i>Oxford College</i>) '91. English.	<i>Taylorville.</i>	44 Kl.
Putnam, Edward Kirby,	A.B. (<i>Illinois College</i>) '91. English, Social Science. 4.	<i>Chicago.</i>	5714 Kimbark av.
Radebaugh, William,	A.B. (<i>U. S. Grant University</i>) '93; A.M. (<i>Illinois Wesleyan University</i>) '94. Philosophy. 1.	<i>Danville.</i>	5496 Ellis av.
Radford, Maude Lavenia,	Ph.B. (<i>University of Chicago</i>) '94. English. 1.	<i>Chicago.</i>	117, 55th st.
Raymond, Jerome Hall,	A.B. (<i>Northwestern University</i>) '92; A.M. (<i>Ibid.</i>) '93. Sociology, Political Science. 2.	<i>Aurora.</i>	6054 Sheridan av.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. Systematic Theology, Sociology. 10.	<i>Berwick, N. S.</i>	129 D.
Reed, Helen Gertrude,	Ph.B. (<i>Northwestern University</i>) '94. Latin, English. 1.	<i>Cairo.</i>	588, 60th st.
Rew, Ruth Myra,	A.B. (<i>Iowa College</i>) '92. English, Greek. 1.	<i>Grinnell, Ia.</i>	5763 Madison av.
Reynolds, Emily Knox,	A.B. (<i>Vassar College</i>) '89. English. 1.	<i>Pueblo, Col.</i>	F.
Rickert, Martha Edith,	A.B. (<i>Vassar College</i>) '91. English, Philosophy. 2.	<i>Chicago.</i>	320, 57th st.
Robertson, James Rood,	A.B. (<i>Beloit College</i>) '86; A.M. (<i>University of Michigan</i>) '90. History, Political Economy. 2.	<i>Forest Grove, Ore.</i>	5620 Ellis av.
Rogers, May Josephine,	Ph.B. (<i>University of Chicago</i>) '96. History, Political Economy.	<i>Chicago.</i>	5657 Cottage Grove av.
Roodhouse, Ada,	L.B. (<i>Oxford College</i>) '94. English. 1.	<i>Carrollton.</i>	44 Kl,
Rossiter, Edward Clark,	A.B. (<i>Marietta College</i>) '70; A.M. (<i>Ibid.</i>) '73. Political Economy, History. 2.	<i>Chicago.</i>	5490 Ellis av.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. 5.	<i>Hastings, Neb.</i>	58 Sn.
Sanders, Frederic William,	A.B. (<i>College of the City of New York</i>) '83; A.M. (<i>Harvard University</i>) '92. Sociology, Philosophy. 5.	<i>Chicago.</i>	13 G.
Sanford, Frederick Warren,	S.B. (<i>Illinois College</i>) '90; A.B. (<i>Ibid.</i>) '94. Latin, Greek, Sanskrit. 1.	<i>Jacksonville.</i>	633 W. 62nd st.
Schlicher, John J.,	A.B. (<i>University of Wisconsin</i>) '92. Latin, Greek. 1.	<i>Merton, Wis.</i>	5746 Jackson av.
Schoolcraft, Henry Lawrence,	A.B. (<i>Marietta College</i>) '92. Philosophy, History. 1½.	<i>North Adams, Mich.</i>	5726 Monroe av.
Scofield, Cora Louise,	A.B. (<i>Vassar College</i>) '90. History, Political Science. 5.	<i>Washington, Ia.</i>	B.
Scott, Loa Ermina,	S.B. (<i>Hiram College</i>) '92. Political Science, Sociology. 1.	<i>Chagrin Falls, O.</i>	5488 Ellis av.
Sherman, Charles Colebrook,	A.B. (<i>Yale University</i>) '83. Semitic.	<i>Syracuse, N. Y.</i>	14 G.
Shipley, Frederick William,	A.B. (<i>University of Toronto</i>) '92. Latin, Sanskrit, Political Science. 1.	<i>Cheltenham, Ont.</i>	18 G.
Sisson, Edward Octavius,	A.B. (<i>University of Chicago</i>) '93. Philosophy. 4.	<i>Newcastle-on-Tyne, England.</i>	5442 Drexel av.
Smith, Wayne Prescott,	A.B. (<i>University of Wooster</i>) '91; A.M. (<i>Ibid.</i>) '92; Ph.D. (<i>Ibid.</i>) '93; A.B. (<i>Harvard University</i>) '92. Philosophy. 1.	<i>Chicago.</i>	5722 Madison av.
Squire, Caroline Mabel Ranson,	Ph.B. (<i>Hamline University</i>) '89. History, Political Science. 1.	<i>St. Paul, Minn.</i>	588, 55th st.
Squires, Vernon Purinton,	A.B. (<i>Brown University</i>) '89. English. 4.	<i>Oneonta, N. Y.</i>	8 G.
Stanton, Eveline Judith,	Ph.B. (<i>Bucknell University</i>) '90. English. 3.	<i>Chinchilla, Pa.</i>	B.
Starr, Marion Elizabeth,	A.B. (<i>Vassar College</i>) '79. Sociology.	<i>Burlington, Ia.</i>	F.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>) Theology.	<i>City of Mexico.</i>	488, 55th st.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Stuart, Henry Waldgrave,	Ph.B. (<i>University of California</i>) '93. Political Economy, Philosophy. 1.	<i>San Leandro, Cal.</i>	6127 Ellis av.
Stutsman, Lewis Elmer,	A.B. (<i>University of Indiana</i>) '94. Anthropology, Sociology. 1.	<i>Summit Grove, Ind.</i>	5835 Drexel av.
Tanaka, Kiichi,	A.B. (<i>University of Chicago</i>) '95. Philosophy.	<i>Tokio, Japan.</i>	30 Sn.
Tanner, Amy Eliza,	A.B. (<i>University of Michigan</i>) '93. Philosophy, Sociology. 2.	<i>Faribault Minn.</i>	429, 57th st.
Taylor, Thomas Jackson,	A.B. (<i>University of Chicago</i>) '94. French, English. 1.	<i>St. Louis, Mo.</i>	5836 Drexel av.
Thomas, William Isaac,	A.B. (<i>University of Tennessee</i>) '84; A.M. (<i>Ibid.</i>) '85; Ph.D. (<i>Ibid.</i>) '86; Anthro- pology, Sociology. 3½.	<i>Oberlin, Ohio.</i>	6420 Lexington av.
Thompson, James Westfall,	A.B. (<i>Rutgers College</i>) '92. History, Political Science. 7.	<i>New Brunswick, N.J.</i>	5496 Ellis av.
Thurston, Henry Winfred,	A.B. (<i>Dartmouth College</i>) '86. Social Science, Political Economy. 4.	<i>Chicago.</i>	5314 Madison av.
Tompkins, Arnold,	A.B. (<i>Indiana University</i>) '90; A.M. (<i>Ibid.</i>) '92. Philosophy, Sociology. 4.	<i>Terre Haute, Ind.</i>	5858 Indiana av.
Tunell, George,	S.B. (<i>University of Minnesota</i>) '92. Political Economy, Political Science. 7.	<i>Albert Lea, Minn.</i>	5748 Kimbark av.
Tunnickliff, Helen Honor,	A.B. (<i>Vassar College</i>) '89. Political Science, Political Economy. 4.	<i>Macomb.</i>	5 F.
Tunnickliff, Sarah Bacon,	A.B. (<i>Vassar College</i>) '92. History, English. 1.	<i>Macomb.</i>	5 F.
Vincent, George Edgar,	A.B. (<i>Yale University</i>) '85. Sociology. 4½.	<i>Buffalo, N. Y.</i>	5338 Washington av.
Walker, Dean Augustus,	A.B. (<i>Yale University</i>) '84; D.B. (<i>Ibid.</i>) '89; A.M. (<i>Ibid.</i>) '90. Semitic. 4.	<i>Auburndale, Mass.</i>	143 D.
Walker, Florence Mercy,	Ph.B. (<i>University of Chicago</i>) '94. English, Philosophy. 1.	<i>Le Roy, N. Y.</i>	5620 Ellis av.
Washburn, Oliver Miles,	A.B. (<i>Hillsdale College</i>) '94. Latin, Greek. 1.	<i>Hillsdale, Mich.</i>	5556 Drexel av.
Weatherlow, Jane Knight,	A.B. (<i>Wellesley College</i>) '91. English, Philosophy. 4.	<i>Seneca Falls, N.Y.</i>	F.
West, Max,	S.B. (<i>University of Minnesota</i>) '90; A.M. (<i>Columbia College</i>) '92; Ph.D. (<i>Ibid.</i>) '93. Sociology. 3½.	<i>Chicago.</i>	5613 Kimbark av.
Whitaker, Hobart Karl,	A.B. (<i>Amherst College</i>) '90. History, Political Economy. 1.	<i>Leverett, Mass.</i>	7154 Euclid av.
Whitehead, Louis Grant,	A.B. (<i>University of Michigan</i>) '93; A.M. (<i>Ibid.</i>) '94. Philosophy, Neurology. 1.	<i>Vulcan, Mich.</i>	5329 Greenwood av.
Wier, Marion Clyde,	A.B. (<i>St. Johns College</i>) '92. Greek, Latin. 2.	<i>South River, Md.</i>	5658 Ellis av.
Willis, Henry Parker,	A.B. (<i>University of Chicago</i>) '94. Political Economy, Political Science. 3.	<i>Racine, Wis.</i>	5551 Lexington av.
Winston, Ambrose Paré,	A.B. (<i>University of Wisconsin</i>) '87. Political Economy, History. 5.	<i>Chicago.</i>	6051 Madison av.
Winston, Lucy A.,	A.B. (<i>Earlham College</i>) '82. German, English. 2.	<i>Germantown, Pa.</i>	B.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. Church History. 7.	<i>Maywood.</i>	541 E. 55th st.
Witkowsky, Esther,	A.B. (<i>Vassar College</i>) '86. Romance Languages, German. 7.	<i>Chicago.</i>	2802 Prairie av.
Wolcott, Emma,	S.B. (<i>Iowa College</i>) '88. History. 1.	<i>Clay, Ia.</i>	5800 Jackson av.
Wood, Francis Asbury,	A.B. (<i>Northwestern University</i>) '80; A.M. (<i>Ibid.</i>) '83. German, English, Compar- ative Philology. 4.	<i>Aurora, Neb.</i>	5825 Jackson av.
Wood, Harriet Anne,	A.B. (<i>Vassar College</i>) '93. History. 1.	<i>Saginaw, Mich.</i>	F.
Woodburn, Grace Helen,	A.B. (<i>Indiana University</i>) '85; A.M. (<i>Ibid.</i>) '94. Latin, Greek. 1.	<i>Bloomington, Ind.</i>	5622 Ellis av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; D.B. (<i>Crozer Theological Seminary</i>) '89. Biblical Greek, Patristic Greek. 5.	<i>Philadelphia, Pa.</i>	146 D.
Wyckoff, Charles Truman,	A.B. (<i>Knox College</i>) '84; A.M. (<i>Ibid.</i>) '87; D.B. (<i>Chicago Theological Seminary</i>) '87. History, Political Science, French. 1.	<i>Wheaton.</i>	228, 53d st.
Youngdahl, Anton Cervenus,	A.B. (<i>Augustana College</i>) '94. English. 1.	<i>Altona.</i>	5755 Atlantic st.
Yust, William Frederick,	A.B. (<i>Central Wesleyan College</i>) '93. Latin, Greek. 1.	<i>Peace Creek, Kans.</i>	5490 Ellis av.

TOTAL, 189.

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Barrett, Storrs Barrows,	A.B. (<i>University of Rochester</i>) '89. Astronomy, Physics. 8.	Rochester, N. Y.	438, 57th st.
Barrett, William Elmer,	S.B. (<i>Wilmington College</i>) '94. Mathematics, Astronomy, Physics. 1.	Wilmington, O.	6124 Wharton av.
Biddle, Henry Chalmers,	A.B. (<i>Monmouth College</i>) '91; A.M. (<i>Ibid.</i>) '94. Chemistry.	Monmouth.	1060 N. Halsted st.
Blount, Anna Ellsworth,	S.B. (<i>University of Wisconsin</i>) '92. Physiology.	Chicago.	222 Ewing st.
Boothroyd, Samuel Latimer.	S.B. (<i>Colorado Agricultural College</i>) '93. Mathematics, French. 1.	Arkins, Col.	541, 55th st.
Boyd, Mary Ann,	A.B. (<i>Trinity University</i>) '92. Mathematics, English.	Tehuacana, Tex.	6011 Ellis av.
Boyer, Emanuel Roth,	A.B. (<i>Harvard University</i>) '90. Zoölogy. 4.	Englewood.	536, 61st st.
Brace, Edith Minerva,	S.B. (<i>University of Nebraska</i>) '91. Zoölogy. 2.	Lincoln, Neb.	5728 Madison av.
Brode, Howard Stidham,	Graduate (<i>Illinois Normal University</i>) '88; Student (<i>Wood's Hall</i>) '90. Zoölogy, Physiology. 5.	Urbana.	6034 Woodlawn av.
Brown, George Lincoln,	S. M. (<i>State University of Missouri</i>) '93. Mathematics. 1.	Reynard, Mo.	5836 Drexel av.
Burns, Elmer Ellsworth,	S.B. (<i>Simpson College</i>) '94. Physics, Chemistry. 2.	Chicago.	6126 Wharton av.
Bushong, Francis William,	A.B. (<i>Franklin and Marshall College</i>) '85; A.M. (<i>Ibid.</i>) '88. Chemistry. $\frac{1}{2}$.	Chicago.	5620 Ellis av.
Cary, Antoinette,	S.B. (<i>University of Chicago</i>) '93. Chemistry. 3.	Elyria, O.	5 Kl.
Chamberlain, Charles Joseph,	A.B. (<i>Oberlin College</i>) '88. Physiology, Anatomy. 4.	Oberlin, O.	6034 Woodlawn av.
Child, Charles Manning,	Ph.B. (<i>Wesleyan University</i>) '90; S.M. (<i>Ibid.</i>) '92; Ph.D. (<i>University of Leipzig</i>) '94. Zoölogy.	Chicago.	5759 Madison av.
Clapp, Cornelia Maria,	Ph.B. (<i>Syracuse University</i>); Ph.D. (<i>Ibid.</i>) '89. Zoölogy, Neurology. 5.	Montague, Mass.	3154 Prairie av.
Claypole, Agnes Mary,	Ph.B. (<i>Buchtel College</i>) '92; S.M. (<i>Cornell University</i>) '94. Biology, Geology. 1.	Akron, O.	5826 Kimbark av.
Cobb, Herbert Edgar,	A.B. (<i>Wesleyan University</i>) '87; A.M. (<i>Ibid.</i>). Mathematics. 5.	Searsmont, Me.	5601 Washington av.
Cravens, Linnaeus Pinneo,	A.B. (<i>Carthage College</i>) '78; A.M. (<i>Ibid.</i>) '82. Mathematics. 1.	Carthage.	580, 60th st.
Dains, Frank Burnett,	Ph.B. (<i>Wesleyan University</i>) '90; S.M. (<i>Ibid.</i>) '91. Chemistry, Mineralogy, Physics. $1\frac{1}{4}$.	Chicago.	5759 Madison av.
Dickson, Leonard Eugene,	S.B. (<i>University of Texas</i>) '93; A.M. (<i>Ibid.</i>) '94. Mathematics. 2.	Cleburne, Texas.	5735 Madison av.
Drew, David Abbott,	S.B., L.B. (<i>Savannah University</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics. 1.	Baraboo, Wis.	510 Harlem av. Oak Park.
Dunlevy, Robert Baldwin,	S.B. (<i>University of Wisconsin</i>) '93. Geology, Chemistry. 1.	Sparta, Wis.	623, 55th st.
Dunn, Elizabeth Hopkins,	A.B. (<i>Iowa College</i>) '89; A.M. (<i>Ibid.</i>) '92; M.D. (<i>Northwestern University</i>) '94. Neurology.	Chicago.	346 E. 56th st.
Everitt, Edward E.,	S.B. (<i>Westfield College</i>) '90; Ph.B. (<i>Otterbein University</i>) '93. Mathematics, Philosophy.	Teheran	5496 Ellis av.
Ferguson, Sara Susanna,	A.M. (<i>Pierre College</i>) '93. Mathematics.	West Springfield, Pa.	623, 55th st.
Fling, Harry Ridgeaway,	A.B. (<i>Bowdoin College</i>) '86. Embryology, Physiology, Paleontology. 1.	Minneapolis, Minn.	5533 Jackson av.
Folin, Otto Knute Olaf,	S.B. (<i>University of Minnesota</i>) '92. Chemistry, Physics. 8.	Stillwater, Minn.	5622 Ellis av.
Froley, John William,	S.B. (<i>University of Missouri</i>) '88; S.M. (<i>Ibid.</i>) '92; Astronomy, Mathematics. 6.	Canton, Mo.	433, 55th st.
Garrey, Walter Eugene,	S.B. (<i>Lawrence University</i>) '94. Biology, Chemistry. 1.	Aurora.	5464 Ingleside av.
Geckeler, Otto Theodore,	A.B. (<i>University of Indiana</i>) '94. Mathematics, Physics. 1.	Patricksburg, Ind.	543, 55th st.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Gentles, Harry Wernicke,	M.B. and C.M. (<i>University of Glasgow</i>) '89. Zoölogy.	Chicago.	153, 53d st.
Gillespie, William,	A.B. (<i>Toronto University</i>) '93. Mathematics, Physics. 2.	Hamilton.	351, 58th st.
Goldthwaite, Nellie E.,	S.B. (<i>University of Michigan</i>) '94. Chemistry, Physics. 1.	Jamestown, N. Y.	F.
Goodell, Frank Elbert,	A.B. (<i>University of Dakota</i>) '89. Chemistry, Physics. 2.	Des Moines, Ia.	249, 57th st.
Gordon, Charles Henry,	S.B. (<i>Albion College</i>) '86; S.M. (<i>Ibid.</i>) '90. Geology. 5.	Chicago.	308, 60th st.
Gould, Alice Bache,	A.B. (<i>Bryn Mawr College</i>) '89. Mathematics. 1.	Boston, Mass.	F.
Hallinen, Joseph Edward,	S.B. () '94. Zoölogy. 1.	Champaign.	5464 Ingleside av.
Hardesty, Irving,	A.B. (<i>Wake Forest College</i>) '92. Zoölogy, Physiology, Histology. 5.	Wakefield, N. C.	623, 55th st.
Hart, James Norris,	B.C.E. (<i>Maine State College</i>) '85; C.E. (<i>Ibid.</i>) '90. Mathematics, Astronomy. 2.	Orono, Me.	5726 Monroe av.
Hesse, Bernhard Conrad,	Ph.C. (<i>University of Michigan</i>) '89; S.B. (<i>Ibid.</i>) '93. Chemistry. 5.	Saginaw, E.S., Mich.	5620 Ellis av.
Hopkins, Thomas Cramer,	S.B. (<i>De Pauw University</i>) '87; S.M. (<i>Ibid.</i>) '90; A.M. (<i>Leland Stanford, Jr., University</i>) '92. Geology, Mineralogy. 3½.	Chicago.	6149 Woodlawn av.
Hornbeak, Samuel Lee,	A.B. (<i>Trinity University</i>) '85; A.M. (<i>Ibid.</i>) '88. Chemistry. 2.	Tehuacana, Tex.	6011 Ellis av.
Hunt, Caroline Louisa,	A.B. (<i>Northwestern University</i>) '88. Chemistry, Physiology. 2.	Evanston,	5700 Kimbark av.
Hutchison, William Albert,	Ph.B. (<i>Dickinson College</i>) '92. Chemistry, Physics.	Townsend, Del.	6402 Madison av.
Jacquish, Ben. Murray,	S.B. (<i>Cornell University</i>) '83. Physics, Chemistry, Geology. 1½.	Chicago.	552 W. Monroe st.
Joffe, Solomon Achillowitz,	S.M. (<i>University of the City of New York</i>) '93. Mathematics, Astronomy. 4.	Chicago.	5746 Ingleside av.
Johnson, Wellington Boyd,	A.B. (<i>De Pauw University</i>) '85; A.M. (<i>Ibid.</i>) '88. Chemistry, Physics.	Franklin, Ind.	6032 Ellis av.
Jone, Hugo,	S.B. (<i>University of Chicago</i>) '95. Astronomy, Chemistry.	Chicago.	5620 Ellis av.
Jones, Lauder William,	A.B. (<i>Williams College</i>) '92. Chemistry. 3½.	Peoria, Ill.	5417 Cottage Grove av.
Kinney, Charles,	A.C. (<i>Drake University</i>) '92; S.M. (<i>Ibid.</i>) '93. Chemistry, Physics. 1.	Chicago.	5492 Ellis av.
Kümmel Henry Barnard,	A.B. (<i>Beloit College</i>) '89; A.M. (<i>Harvard University</i>) '92. Geology. 5½.	Milwaukee, Wis.	537, 55th st.
Lansingh, Blanche,	A.B. (<i>Evelyn College</i>) '94. Mathematics. 1.	Chicago.	5109 Kimbark av.
Lehman, Daniel Acker,	Ph.B. (<i>Wesleyan University</i>). Mathematics, Astronomy. 3.	Chambersburg, Pa.	433, 55th st.
Lewis, Albert Buell,	A.B. (<i>University of Chicago</i>) '94. Zoölogy, Physiology. 1.	Santa Ana, Cal.	5722 Kimbark av.
Lucas, Frederic Colby,	S.B. (<i>Harvard University</i>) '92. Geology. 1½.	Chicago.	5722 Kimbark av.
Lyon, Elias Potter,	S.B. (<i>Hillsdale College</i>) '91; A.B. (<i>Ibid.</i>) '92. Zoölogy, Histology. 1.	Hillsdale, Mich.	2101 Indiana av.
Maxwell, Samuel Steen.	S.B. (<i>Amity College</i>) '86; S.M. (<i>Ibid.</i>) '88. Zoölogy, Physiology.	Monmouth.	6034 Woodlawn av.
McCaskill, Virgil Everett,	A.B. (<i>Ohio Wesleyan University</i>) '83; A.M. (<i>Ibid.</i>) '94. Biology. 2.	Warrensburg, Mo.	5464 Ingleside av.
Mead, Albert Davis,	A.B. (<i>Middlebury College</i>) '80; A.M. (<i>Brown University</i>) '92. Zoölogy, Neurology. 8.	Chicago.	17 Ray st.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology, Geology. 8.	Lowell, Mass.	5492 Ellis av.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Physiology. 5.	Chicago.	429, 57th st.
Munson, John P.,	S.B. (<i>University of Wisconsin</i>) '87; S.M. (<i>Ibid.</i>) '92; Ph.B. (<i>Yale University</i>) '92. Zoölogy, Physiology. 5.	Chicago.	25 Perry av.
Newton, George Alexander,	A.B. (<i>Trinity University</i>). Mathematics. 2.	Tehuacana, Tex.	6011 Ellis av.
Nichols, Ernest Reuben,	S.B. (<i>State University of Iowa</i>) '87; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics. 2.	Manhattan, Kans.	5724 Drexel av.
Packard, Wales Harrison,	S.B. (<i>Ohvet College</i>) '94. Zoölogy, Botany, Physiology. 1.	Chatham Centre, O.	539, 55th st.
Peet, Charles Emerson,	S.B. (<i>University of Wisconsin</i>) '92. Geology. 7.	Good Hope.	308, 60th st.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91. Physics, Geology. 5.	Carmel, Ind.	Keene Hotel, 55th st.
Remick, Benjamin Luce,	Ph.B. (<i>Cornell College</i>) '89; Ph.M. (<i>Ibid.</i>) '92. Mathematics. 1.	Waverly, Ia.	5709 Drexel av.
Roberts, John M.,	A.B. (<i>Missouri Valley College</i>). Biology, Chemistry. 1.	Marshall, Mo.	5722 Kimbark av.
Rothrock, David Andrew,	A.B. (<i>University of Indiana</i>) '92; A.M. (<i>Ibid.</i>) '93. Mathematics. 2.	Bloomington, Ind.	5836 Drexel av.
Runyon, William Henry,	A.B. (<i>Princeton College</i>) '88; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics. 2.	Chicago.	5757 Madison av.
Russell, John Benjamin,	S.B. (<i>Wheaton College</i>) '85; A.M. (<i>Ibid.</i>) '88. Botany. $\frac{1}{2}$.	Wheaton.	Wheaton.
Schottenfels, Ida May,	Ph.B. (<i>Northwestern University</i>) '92. Mathematics. 4.	Chicago.	5602 Jackson av.
Slaught, Herbert Ellsworth,	A.B. (<i>Colgate University</i>) '83; A.M. (<i>Ibid.</i>) '86. Mathematics. 7.	Englewood.	440, 64th st.
Smith, James Archy,	Ph.B. (<i>Denton University</i>) '89; A.M. (<i>Ibid.</i>) '92. Mathematics. 7.	Mercer's Bottom, W. Va.	326, 57th st.
Smith, Newland Farnsworth,	Ph.B. (<i>Northwestern University</i>) '92. Physics, Mathematics. $1\frac{1}{2}$.	Aurora.	6047 Ellis av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '90. Chemistry, Physics. $6\frac{1}{2}$.	Chicago.	3352 Indiana av.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Chemistry. 5.	Chicago.	3352 Indiana av.
Sturges, Mary Mathews,	S.B. (<i>University of Michigan</i>) '83. Zoölogy, Physiology. 5.	Oak Park.	429, 57th st.
Swartz, Samuel Ellis,	A.B. (<i>Denton University</i>) '79. Chemistry, Physics. 7.	Chicago.	5622 Ellis av.
Sweet, Benjamin Asahel,	A.B. (<i>Westfield College</i>) '90; Ph.B. (<i>Illinois Wesleyan University</i>). Geology, Philosophy.	Marshall.	5543 Monroe av.
Taylor, Nellie M.,	A.B. (<i>Hanover College</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics, Philosophy. 4.	Hanover, Ind.	588, 60th st.
Thürlimann, Leo,	S.B. (<i>Iowa Agricultural College</i>) '90; S.M. (<i>Ibid.</i>) '92. Chemistry. 1.	Carroll, Ia.	5711 Ingleside av.
Tobias, John Joseph,	(<i>Northwestern University</i>). Neurology.	Chicago.	128, 50th st.
Van Osdel, Edgar Bates,	A.B. (<i>Knox College</i>) '94. Chemistry, Biology. 2.	Galesburg.	48 D.
Welch, Jeanette Cora,	A.B. (<i>Wellesley College</i>) '89. Physiology, Physics. 7.	Chicago.	438, 57th st.
Wentch, Julia Ann,	L.B. (<i>Iowa Agricultural College</i>). Mathematics.	Traer, Ia.	Kl.
Wheeler, Henry Lord,	Ph.B. (<i>Yale University</i>) '90; Ph.D. (<i>Ibid.</i>) '93. Chemistry. 1.	Chicago.	1812 Prairie av.
Whitney, Albert Wurts,	A.B. (<i>Beloit College</i>) '91. Physics, Mathematics. 4.	Beloit, Wis.	5815 Madison av.
Whitney, Worrallo,	A.B. (<i>Oberlin College</i>) '87; A.B. (<i>Harvard University</i>) '90; A.M. (<i>Oberlin College</i>) '92. Zoölogy, Botany.	Chicago.	438 E. 57th st.
Whitson, Andrew Robinson,	S.B. (<i>University of Chicago</i>) '94. Geology. 1.	Northfield, Minn.	324, 57th st.
Willard, Daniel Everett,	A.B. (<i>Oxford University</i>) '88; A.M. (<i>Ibid.</i>) '90. Geology. 6.	Nile, N. Y.	6124 Wharton av.
Willard, Emma,	A.B. (<i>Oberlin College</i>) '88; A.M. (<i>University of California</i>) '91. Geology, German. 3.	Chicago.	5555 Woodlawn av.
Wren, Harry Bertrand,	S.B. (<i>Baker University</i>) '94. Mathematics. 1.	Paola, Kans.	541, 55th st.
TOTAL, 95.			

THE NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Burris, William Paxton,	Ph.B. (<i>De Pauw University</i>) '91. Philosophy.	Bluffton, Ind.
Campbell, Peter Sinclair,	A.B. (<i>Toronto University</i>) '71. Greek.	92 Yorkville av., Toronto, Can.
Dimmitt, Lillie English,	A.B. (<i>Illinois Wesleyan University</i>) '88; A.M. (<i>Ibid.</i>) '91. Greek.	Sioux City, Ia.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Dodge, Le Vant,	A.B. (<i>Hilldale College</i>) '72; A.M. (<i>Ibid.</i>) '75. Political Science, Sociology, Political Economy.	Berea, Ky.
Estey, Stephen Sewell,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>Ibid.</i>) '87. Social Science.	Humboldt, Kans.
Foster, George B.,	A.M. (<i>West Virginia University</i>) '83. Philosophy.	499 Euclid av., Toronto, Canada.
Hulley, Eloise Mayham,	A.B. (<i>University of Michigan</i>) '90; A.M. (<i>University of Chicago</i>) '94. Philosophy.	Lewisburg, Pa.
Hulley, Lincoln,	A.B. (<i>Bucknell University</i>) '88; A.B. (<i>Harvard University</i>) '89; A.M. (<i>Bucknell University</i>) '91. Semitic.	Lewisburg, Pa.
Kling, Henry F.,	Ph.B. (<i>Upper Iowa University</i>) '83. Political Economy.	Hot Springs, S. D.
McKee, William Parker,	A.B. (<i>Wabash College</i>) '89; D.B. (<i>Morgan Park Theological Seminary</i>) '87. Ancient History.	522, 12th av. S. E., Minneapolis, Minn.
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '93. Political Science, History.	Macon, Ga.
Peters, R. G.,	A.B. (<i>Heidelberg University</i>) '93; A.M. (<i>Ibid.</i>) '94. English.	Tiffin, Ohio.
Piersel, Alba Chambers,	A.B. (<i>Ohio Wesleyan University</i>) '90. Biblical and Patristic Greek.	Winfield, Kansas.
Plumb, George H. R.,	Ph.B. (<i>La Fayette College</i>) '77; S.M. (<i>Ibid.</i>) '80. Political Economy, History, Sociology.	Glencoe, Ill.
Robinson, Henry Douglass,	A.B. (<i>Racine College</i>) '84. Sociology. Comparative Religion, French.	Racine, Wis.
Schmidt, William G. W.,	Ph.B. (<i>Syracuse University</i>) '88; Ph.M. (<i>Ibid.</i>) '91. Germanic.	Lake Forest, Ill.
Sherman, Charles Colebrook,	A.B. (<i>Yale University</i>) '83. Semitic.	1422 Mulberry Street, Syracuse, N. Y.
Smith, John M. P.,	A.B. (<i>Des Moines College</i>) '93. Semitic.	Cedar Valley Seminary, Osage, Ia.
Tear, John Henry,	Ph.B. (<i>Illinois Wesleyan University</i>) '92. Philosophy, Sociology.	846 Walnut st., Chicago.
Topping, Henry,	A.B. (<i>University of Rochester</i>) '92; D.B. (<i>Morgan Park Theological Seminary</i>) '92. Semitic.	Delavan, Wis.
Treadwell, A. L.,	S.B. (<i>Wesleyan University</i>) '88; S.M. (<i>Ibid.</i>) '90. Zoology.	Miami University, Oxford, O.
Udden, John August,	A.B. (<i>Augustana College</i>) '81; A.M. (<i>Ibid.</i>) '89. Geology.	1000, 38th st., Rock Island.
Wernicke, Paul,	(<i>University of Berlin</i>) '85-'89. Mathematics.	107 E. Maxwell st., Lexington, Ky.
Wynne, Richard Henry,	A.B. (<i>Bethany College</i>) '72; A.M. (<i>Ibid.</i>) '93. Semitic.	Bethany, W. Va.
		TOTAL, 24.

THE QUARTERLY CALENDAR.

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Aitchison, John Young,	A.B. (<i>Des Moines College</i>) '93. 3¼.	<i>Des Moines, Ia.</i>	135 D.
Allen, Charles William,	A.B. (<i>Bucknell University</i>) '92. 6.	<i>Scranton, Pa.</i>	136 D.
Anderson, Jacob Nelson,	S.B. (<i>Milton College</i>) '92. 1.	<i>Poy Sippi, Wis.</i>	85 D.
Anderson, Oscar Ludvig,	A.B. (<i>University of Nebraska</i>) '94. 1.	<i>Wahoo, Neb.</i>	93 D.
Atchley, Isaac Carroll,	A.B. (<i>Drury College</i>) '93. 3¼.	<i>Springfield, Mo.</i>	149 D.
Baird, Phil Castor,	A.B. (<i>Amity College</i>) '91; A.M. (<i>Ibid.</i>) '94. 1.	<i>College Springs, Ia.</i>	6124 Wharton av.
Bale, George Arthur,	Ph.B. (<i>Des Moines College</i>) '93. 3.	<i>Gig Harbor, Wash.</i>	67 D.
Behan, Warner Palmer,	A.B. (<i>University of Chicago</i>) '94. 1½.	<i>Chicago.</i>	4525 Vincennes av.
Beyl, Fred Almon,	(<i>Borden Institute</i>). 3.	<i>Memphis, Tenn.</i>	5558 Drexel av.
Beyl, John Lewis,	S.B. (<i>Borden Institute</i>) '89. 5.	<i>Jeffersonville, Ind.</i>	5558 Drexel av.
Borden, Edward Howard,	A.B. (<i>Acadia University</i>) '92. 7.	<i>Truro, N. S.</i>	D.
Boyer, Henry Keely,	D.B. (<i>Seabury Divinity School</i>) '93. 1.	<i>Reading, Pa.</i>	34 D.
Braker, George, Jr.,	A.B. (<i>Colgate University</i>) '93. 3¼.	<i>Brooklyn, N. Y.</i>	138 D.
Breed, Reuben Leonard,	A.B. (<i>Olivet College</i>) '94. 1.	<i>Wyandotte, Mich.</i>	275, 92d st.
Brewster, Marilla Marks,	(<i>New Hampton Literary and Biblical Institute</i>).	<i>N. Danville, N. H.</i>	301, 56th st.
Bruce, Preston Pisheon,	A.B. (<i>Cornell College</i>) '93. 3¼.	<i>Manchester, Ia.</i>	Hotel Ingraham.
Bunyard, Robert Lowry,	L.B. (<i>Mississippi College</i>) '94. 1.	<i>Bolton, Miss.</i>	74 D.
Case, Carl Delos,	A.B. (<i>Colgate University</i>) '91. 7.	<i>St. Anthony Park, Minn.</i>	139 D.
Chalmers, William Everett,	A.B. (<i>Brown University</i>) '93. 4.	<i>Paterson, N. J.</i>	133 D.
Chapin, Judson Clarke,	A.B. (<i>University of Rochester</i>) '89. 6¼.	<i>Chicago.</i>	4146 Berkeley av.
Coggins, James Caswell,	A.B. (<i>Milligan College</i>) '94. 1.	<i>Asheville, N. C.</i>	389, 57th st.
Coon, Daniel Israel,	A.B. (<i>State University of Iowa</i>) '89. 3¼.	<i>Osage, Ia.</i>	5558 Drexel av.
Crawford, Jerry Tinder,	L.B. (<i>Ottawa University</i>) '92. 2.	<i>La Bette City, Kans.</i>	141 D.
Cressey, Frank Graves,	A.B. (<i>Brown University</i>) '91. 5¼.	<i>Los Angeles, Cal.</i>	133 D.
Criswell, John Marion,	A.B. (<i>Denison University</i>) '92. 6.	<i>S. Kirtland, O.</i>	128 D.
Davidson, Robert Bailey,	A.B. (<i>Bucknell University</i>) '94. 1.	<i>Paterson, N. J.</i>	121 D.
Dickerson, Philip Jackson,	A.B. (<i>University of Chicago</i>) '94. 1½.	<i>Lula, Va.</i>	78 D.
Dye, Friend Taylor,	A.B. (<i>Marietta College</i>) '91. 3¼.	<i>Lockhart's Run, W. Va.</i>	6027 Ellis av.
Eaton, William Henry,	A.B. (<i>Ottawa University</i>) '93. 3¼.	<i>Ottawa, Kans.</i>	140 D.
Ewing, Addison Alvord,	A.B. (<i>Amherst College</i>) '92. 2¼.	<i>Danvers, Mass.</i>	151 D.
Farr, Finis King.	C.E. (<i>Cumberland University</i>) '89; D.B. (<i>Ibid.</i>) '94. 2.	<i>Kansas City, Mo.</i>	53 D.
Fisk, Henry Alfred,	L.B. (<i>University of California</i>) '91. 6¼.	<i>St. Charles.</i>	136 D.
Fletcher, Charles Wesley,	A.B. (<i>Wheaton College</i>) '92. 3¼.	<i>Chicago.</i>	6124 Wharton av.
Ford, John Elijah,	(<i>Beloit College Academy</i>) '91. 9.	<i>Chicago.</i>	3603 Dearborn st.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. 7¼.	<i>Chicago.</i>	455 E. 55th st.
Georges, Mooshie,	(<i>Oroomiah College, Persia</i>). 4¼.	<i>Oroomiah, Persia.</i>	110 D.
Goodman, Alfred Ebenezer,	A.B. (<i>Ottawa University</i>) '91. 6.	<i>Antrim, Kans.</i>	132 D.
Guard, Paul,	Th.B. (<i>Oberlin</i>) '93. 5.	<i>Cleves, O.</i>	5830 Washington av.
Haigazian, Armenag,	A.B. (<i>Central Turkey College, Aintab, Turkey</i>) '89. 1.	<i>Hadjin, Turkey.</i>	96 D.
Hanson, Howland,	A.B. (<i>Princeton College</i>) '92. 4.	<i>Chicago.</i>	1303 Jackson boul.
Haston, Jesse Bascom,	(<i>Texas State Normal School</i>). 1.	<i>Santa Rosa, Cal.</i>	389, 57th st.
Hendrick, Harmon Ellsworth,	<i>Chicago State Theological Seminary.</i> 1.	<i>Walton, N. Y.</i>	132 D.
Herrick, Jullien Avery,	S.B. (<i>La Grange College</i>) '92. 6.	<i>La Grange, Mo.</i>	129 D.
Herring, Charles,	A.B. (<i>Franklin College</i>) '94. 1.	<i>Michigan City, Ind.</i>	114 D.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. 9.	<i>Pavilion.</i>	10137 Jefferson av.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Hobbs, Ralph Waller,	A.B. (<i>Shurtleff College</i>) '94. 1.	<i>Delavan, Wis.</i>	137 D.
Howard, Harry,	A.B. (<i>Trinity College</i>) '91. 9½.	<i>Chicago.</i>	391, 55th st.
Hurley, Hugh Henry,	(<i>Woodstock College, Ontario</i>): 5.	<i>Chater, Man.</i>	123 D.
Jackson, Francis Chester R.,	A.B. (<i>Brown University</i>) '94. 1.	<i>Delavan, Wis.</i>	137 D.
Jamison, David Lee,	A.B. (<i>University of West Virginia</i>) '88; LL.B. (<i>Ibid.</i>) '90. 1.	<i>Parkersburg, W. Va.</i>	35 D.
Johnson, Edward Peter,	(<i>Danish-Norwegian Theological Seminary</i>) 3¼.	<i>Minneapolis, Minn.</i>	66 D.
Johnson, John Daniel	(<i>Swedish Theological Seminary</i>). 2¼.	<i>Litchfield, Minn.</i>	Morgan Park.
Jones, Abe Chester,	LL.B. (<i>Vanderbilt University</i>) '89. 1.	<i>Little Rock, Ark.</i>	75 D.
Jones, Haydn Evan,	A.B. (<i>Richmond College</i>) '90; D.B. (<i>Crozer Theological Seminary</i>) '83. 1.	<i>St. Clair, Pa.</i>	128 D.
Jones, Henry Farrar,	(<i>Ottawa University</i>) '91. 6.	<i>Berdena, Kans.</i>	6220 Oglesby av.
Kingsley, Floris Winton,	A.B. (<i>Ottawa University</i>) '93. 1¼.	<i>Stockrange, Kans.</i>	140 D.
Kinney, Edwin Bruce,	A.B. (<i>Denison University</i>) '92. 5¼.	<i>Plano, Ill.</i>	90, 77th st.
Kjellin, John August,	A.B. (<i>Ottawa University</i>) '94. 1.	<i>Garrison, Kans.</i>	141 D.
Lake, Elisha Moore,	(<i>Bucknell University</i>). 5.	<i>Elmira, N. Y.</i>	146 D.
Lemon, Charles Augustus,	A.B. (<i>Colgate University</i>) '92. 6.	<i>Attica, N. Y.</i>	142 D.
Lisk, Charles Wayland,	A.B. (<i>Brown University</i>) '90; (<i>Rochester Theological Seminary</i>) '83. 1.	<i>Bordentown, N. J.</i>	134 D.
Lockhart, John Moses,	L.B. (<i>Denison University</i>) '92. 6¼.	<i>Harvey.</i>	Harvey.
Logan, William Clark,	A.B. (<i>Lincoln University</i>) '78; (<i>Chicago Theological Seminary</i>). 1.	<i>Chicago.</i>	South Lynne.
Matzinger, Philip Frederick,	(<i>Princeton Theological Seminary</i>). 2.	<i>Chicago.</i>	58 D.
McKinney, Everson Ryder,	L.B. (<i>University of Minnesota</i>) '87. 2¼.	<i>Rochelle.</i>	72 D.
Mebane, William Nelson,	A.B. (<i>Davidson College</i>) '83. 2.	<i>Greensboro, N. C.</i>	6005 Ellis av.
Meigs, Robert Vann,	A.B. (<i>Indian University</i>) '94. 1¼.	<i>Siloam Springs, Ark.</i>	76 D.
Milligan, Henry Forsythe,	D.B. (<i>Reformed Episcopal Divinity School, Philadelphia, Pa.</i>) '90; A.B. (<i>University of Chicago</i>) '94. 3.	<i>Chicago.</i>	195, 37th st.
Morgan, James Albert,	A.B. (<i>Franklin College</i>) '93. 3.	<i>Montgomery, Ind.</i>	5558 Drexel av.
Murray, Charles Henry,	A.B. (<i>William Jewell College</i>) '91. 2.	<i>Kansas City, Mo.</i>	144 D.
Myhrmann, David Vilhelm,	(<i>Baptist Theological Seminary, Sweden.</i>) 6.	<i>Stockholm, Sweden.</i>	73 D.
Nelson, Swaney August,	(<i>Swedish Theological Seminary</i>). 3.	<i>Minneapolis, Minn.</i>	Morgan Park.
Newcomb, Arthur F.,	A.B. (<i>Acadia University</i>) '92. 4.	<i>Wolfville, N. S.</i>	539, 55th st.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91.	<i>Elgin.</i>	Elgin.
Patchell, William Trimble,	(<i>Oberlin College</i>). 1.	<i>Chicago.</i>	5722 Kimbark av.
Patrick, Bower Reynolds,	A.B. (<i>William Jewell College</i>). 3.	<i>Hannibal, Mo.</i>	144 D.
Peterson, William August,	D.B. (<i>Morgan Park Theological Seminary</i>) '90. 6.	<i>Chicago.</i>	97 D.
Purinton, Harry Edward,	A.B. (<i>Colgate University</i>) '94. 1.	<i>Buffalo, N. Y.</i>	90 D.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '92. 4.	<i>St. Paul, Minn.</i>	541, 55th st.
Rapp, John Jacob,	D.B. (<i>Garrett Biblical Institute</i>) '90. 2.	<i>Chicago.</i>	49 D.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. 9.	<i>Berwick, Nova Scotia.</i>	129 D.
Rhapstock, Franklin Charles,	(<i>Shurtleff College</i>). 1.	<i>Marengo.</i>	69 D.
Rhodes, Jesse Cassander,	A.B. (<i>Franklin College</i>) '92.	<i>Rensselaer, Ind.</i>	114 D.
Rocén, Johan,	(<i>Swedish Theological Seminary, Morgan Park</i>) '92. 3¼.	<i>Chicago.</i>	71 D.
Rogers, Patrick Simkins,	A.B. (<i>Mississippi College</i>) '91. 1.	<i>Pachuta, Miss.</i>	89 D.
Sanders, James Franklin,	A.B. (<i>Furman University</i>) '92. 6¼.	<i>Saluda, S. C.</i>	D.
Says, William Christopher,	A.B. (<i>Wilmington College</i>); A.M. (<i>Haverford College</i>). 2.	<i>Wilmington, O.</i>	5733 Ingleside av.
Shoemaker, William Ross,	S.B. (<i>Iowa State Agricultural College</i>). 1.	<i>Muscatine, Ia.</i>	147 D.
Smith, Arthur Sherman,	A.B. (<i>Pomona College</i>) '94. 3.	<i>Pomona, Cal.</i>	145 D.
Snow, Ralph Rensselaer,	A.B. (<i>Bucknell University</i>) '94. 1.	<i>Franklin, Pa.</i>	121 D.
Spickler, Henry Martin,	(<i>Mt. Morris Academy</i>) '94. 2.	<i>Polo.</i>	54 D.
Spooner, William Silas,	A.B. (<i>Amherst College</i>) '94. 1.	<i>Franconia, N. H.,</i>	94 D.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Stairs, Walter,	A.B. (<i>Kentucky University</i>) '87; A.M. (<i>Ibid.</i>) '88.	Hammond, Ind.	Hammond, Ind.
Stark, Stephen,	A.B. (<i>Colby University</i>) '82. 1.	Waterville, Me.	131 D.
Starkweather, Earnest Edward,	A.B. (<i>Ottawa University</i>) '91. 3½.	Clay Centre, Kans.	Englewood Y.M.C.A.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). 5.	City of Mexico, Mexico.	488, 55th st.
Stilwell, Henry Colby,	S.B. (<i>Denison University</i>) '89.		150 South D.
Street, Henry Haynes,	(<i>Richmond College</i>).	Richmond, Va.	52 D.
Stucker, Edwin Stanton,	(<i>Ottawa University</i>). 5.	Aurora.	D.
Thompson, Thora Maria,	(<i>Pillsbury Academy</i>). 9.	Montevideo, Minn.	6 B.
Thyholdt, Paul Charles.	Grad. (<i>Northwestern Theological Seminary</i>) '81; (<i>Union Theological Seminary</i>).	Jacksonville.	111 D.
Tustin, Paul,	A.B. (<i>Bucknell University</i>) '91. 2½.	Bloomsburg, Pa.	127 D.
Varney, Edgar Dow,	A.B. (<i>Bates College</i>) '86. 3¼.	Fort Collins, Colo.	6126 Wharton av.
Vosburgh, Homer Jerome,	A.B. (<i>Colgate University</i>) '86; A.M. (<i>Ibid.</i>) '93. ½.	Chicago.	535 Normal Park way.
Watson, Arthur Tilley,	A.B. (<i>Colby University</i>) '91. 5.	Oakland, Me.	5656 Washington av.
Wilkin, William Arthur,	A.B. (<i>Denison University</i>) '93. 3.	New Market, O.	130 D.
Williams, Milton Bryant,	A.B. (<i>Northwestern University</i>) '94. 1¼.	Chicago.	2426 W. Ohio st.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. 6¼.	Maywood.	541, 55th st.
Wood, Joel Franklin,	S.B. (<i>Franklin College</i>) '90. 5½.	Smithfield, O.	120 D.
Wood, William Robert,	(<i>University of Colorado</i>). 6¼.	Chicago.	6231 Sheridan av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; D.B. (<i>Crozer Theological Seminary</i>) '89. 5.	Philadelphia, Pa.	146 D.
Wright, George Clarence,	A.B. (<i>Denison University</i>) '93. 3.	Chicago.	449, 55th st.
Wyant, Andrew Robt. Elmer,	A.B. (<i>Bucknell University</i>) '92. 6.	Adrian, Pa.	108 D.
Young, Charles Alexander,	(<i>University of Missouri</i>).	Ann Arbor, Mich.	5716 Kimbark av.
Yousephoff, Phineas Joachim,	(<i>Hulme Cliff College, England</i>). 1¼.	Odessa, Russia.	92 D.
			TOTAL, 115.

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Allen, Hiram Howard,	(<i>Cedar Valley Seminary</i>). 3¼.	Bassett, Neb.	302 E. 41st st.
Berry, Henry Havelock,	(<i>Hebron Academy</i>) '85. 3¼.	West Sumner.	19 D.
Briggs, Daniel Judson,	(<i>Northern Indiana Normal School</i>). 1.	Red Oak, Ia.	43 D.
Case, Frank Almerian,	(<i>Georgetown College</i>) '88. 5.	Waterman.	64 D.
Dent, Joseph Croft,	(<i>Bible Institute, Chicago</i>) '91. 4.	Earlville.	39 D.
Dexter, Stephen Byron,	(<i>Bible Institute, Chicago</i>). '90. 3¼.	Chicago.	588, 60th st.
Dexter, Louise,	(<i>Rockford College</i>).	Chicago.	588, 60th st.
Fradenburg, John Victor,	(<i>Woodstock College</i>). 4¼.	Upper, Ontario.	5496 Ellis av.
Fradenburg, Mary Hendee,	(<i>Fredonia Normal School</i>). 1.	Upper, Ontario.	5496 Ellis av.
Gill, Theophilus Anthony,	(<i>Princeton College</i>) '83. 5.	West Park-on-the-Hudson, N. Y.	56 D.
Hatch, Elmer Ellsworth,	(<i>California College</i>). 5¼.	Lafayette, Cal.	38 D.
Henry, Leroy,	M.D. (<i>Medical College of Indiana</i>). 1.	Jacksonville, Ind.	425, 55th st.
Hoyt, John Lewis,	(<i>Hamilton College</i>) '83. 3¼.	Sennett, N. Y.	5492 Ellis av.
Hughes, John Newton,	LL.B. (<i>Fulton Law School</i>) '89; (<i>Upper Iowa University</i>).	Beloit, Wis.	112 D.
Jones, John W.,	A.B. (<i>Kansas Normal College</i>) '86. ½.	Parsons, Kans.	79 D.
Jordan, Elijah John,	A.B. (<i>Dalhousie University</i>) '91. 1.	Bridgetown, N. S.	4743 Madison av.
Lockwood, Clarence H.,	(<i>Des Moines College</i>). 3¼.	Coldwater, Ia.	5558 Drexel av.

NAME.	DEGREE ; QUARTER IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Lockwood, Emma L.,	(Des Moines College). 3.	Coldwater, Ia.	5558 Drexel av.
Mason, George Claude,	(High School, Jacksonville, Ill.). 4½.	Mason City, Ia.	5524 Ingleside av.
Montague, John Young,	(National Normal University.) 1½.	Pratt, Kan.	60 D.
Morgan, Jennie Chaille,	(Franklin College). 3¼.	Chicago.	5558 Drexel av.
Patchell, Eliza Helen C.,	(Villa Marie Convent, Montreal). 1.	Chicago.	5722 Kimbark av.
Patrick, George Walter,	(Morgan Park Theological Seminary).	Hudson, Ia.	445, 55th st.
Perkins, Charles Alonzo,	(Illinois State Normal University). 1.	Normal.	6526 Ellis av.
Robinson, Charles Wirt,	(Cook Academy). 4½.	North Hector, N. Y.	45 D.
Schlamann, Earnest Alfred,	(Indiana State Normal School). 5¼.	Terre Haute, Ind.	88 D.
Schlosser, Thomas Franklin,	S.B. (South Dakota Agricultural College) '92. 2.	Marion, S. Dak.	70 D.
Sheafor, George Washington,	(Bible Institute, Chicago).	Sandwich, Ill.	106 D.
Smith, Charles Houston,	(Michigan State Normal School). 3¼.	Chicago.	50 D.
Speicher, John Gabriel,	M.D. (University of Iowa) '83. 6.	Hudson, Ia.	6034 Edgerton av.
Summers, Marshal Aaron,	(Denton University) '83. 3¼.	Hinckley.	65 D.
Vreeland, Frank Charles,	(Michigan State Normal School). 5.	Michigan City, Ind.	47 D.
Webster, James Lee,	(South Dakota Agricultural College).	Mitchell, S. D.	63 D.
West, John Sherman,	S.B. (Massachusetts Agricultural College) '90. 4½.	Belchertown, Mass.	57 D.
Witt, Stephen,	(Hulme Cliff College, Eng.) '93. 3.	Lyndhurst, Hants, Eng.	62 D.
			TOTAL, 35.

THE DANISH-NORWEGIAN THEOLOGICAL SEMINARY.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Andersen, Andrew,	(Morgan Park Scandinavian Academy.)	Chicago.
Andersen, Hans Peter,	(Morgan Park Scandinavian Academy.)	Chicago.
Arnebach, Christian Nielsen,	(Morgan Park Scandinavian Academy.)	Chicago.
Bentson, Samuel,	(Morgan Park Scandinavian Academy.)	Helena, Mont.
Børsheim, Sjur Olsen,	(Morgan Park Scandinavian Academy.)	
Christiansen, Christian George,	(Morgan Park Scandinavian Academy.)	Racine, Wis.
Christensen, Rasmus,	(Morgan Park Scandinavian Academy.)	Montreal, Can.
Hanson, Bertel,	(Morgan Park Scandinavian Academy.)	Brookings, S. D.
Holm, Fredrik Theodor,	(Morgan Park Scandinavian Academy.)	Bornholm, Denmark.
Jakobsen, Bertinus,	(Morgan Park Scandinavian Academy.)	Valley City, N. D.
Jakobsen, Hans Jakob,	(Morgan Park Scandinavian Academy.)	Racine, Wis.
Johnson, Abraham L.,	(Morgan Park Scandinavian Academy.)	Oconomowoc, Wis.
Knutsen, Dorothea Maren,	(Morgan Park Scandinavian Academy.)	Fargo, N. D.
Kristoffersen, Sören,	(Morgan Park Scandinavian Academy.)	Tromsø, Norway.
Larsen, Christen,	(Morgan Park Scandinavian Academy.)	Aurora.
Larsen, Jakob,	(Morgan Park Scandinavian Academy.)	Trondhjem, Norway.
Larsen, Nils,	(Morgan Park Scandinavian Academy.)	Berton, S. D.
Nelson, Martin,	(Morgan Park Scandinavian Academy.)	Alden, Minn.
Nielsen, James Peter,	(Morgan Park Scandinavian Academy.)	Kasson, Minn.
Olsen, Olaf Martin,	(Morgan Park Scandinavian Academy.)	Chicago.
Overgaard, Peder Pedersen,	(Morgan Park Scandinavian Academy.)	Bjarkø, Norway.
Rasmussen, Lars,	(Morgan Park Scandinavian Academy.)	Berton, S. D.
Skotheim, Oluf,	(Morgan Park Scandinavian Academy.)	Berton, S. D.
Sether, Hans Hansen,	(Morgan Park Scandinavian Academy.)	Lakefield, Minn.
Westergaard, Annie,	(Morgan Park Scandinavian Academy.)	Walnut, Ia.
Wik, Konrad Johnson,	(Morgan Park Scandinavian Academy.)	Trondhjem, Norway.

TOTAL, 26.

THE SWEDISH THEOLOGICAL SEMINARY.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Aldén, Carl Alfred,	(Morgan Park Scandinavian Academy.)	Omaha, Neb.
Anderson, Carl Adolf,	(Morgan Park Theological Seminary.)	Ironwood, Mich.
Anderson, Anton August,	(Morgan Park Scandinavian Academy.)	Alexandria, Minn.
Bäcklund, Lars Magnus,	(Morgan Park Scandinavian Academy.)	Arlington, N. J.
Björkqvist, Emanuel,	(Morgan Park Scandinavian Academy.)	St. Paul, Minn.
Burgason, Andrew Magnus,	(Bryant Business College.)	Stromsburg, Neb.
Calmér, Theodor Herman,	(Morgan Park Scandinavian Academy.)	Evanston.
Carlson, John Amandus,	(Morgan Park Scandinavian Academy.)	New York, N. Y.
Carlson, Oscar F.,	Special (Central Bible Seminary).	Galesburg.
Carlson, Sven Gustaf,	(Morgan Park Scandinavian Academy.)	Swea, Ia.
Clint, Rudolf Anton,	(Morgan Park Scandinavian Academy.)	Jamestown, N. Y.
Dahlén, Carl Olof,	(Morgan Park Scandinavian Academy.)	Moline.
East, Erik Hjalmar,	(Public School.)	Portland, Ore.
Erikson, Bennet,	(Morgan Park Scandinavian Academy.)	Grove City, Minn.
Gordh, Gustaf Arvid,	(Dr. Gordon's Mission School.)	Brooklyn, N. Y.
Johnson, Gustaf Adolf,	(Morgan Park Scandinavian Academy.)	Manistique, Mich.
Johnson, John Daniel,	(Morgan Park Scandinavian Academy.)	Litchfield, Minn.
Kumlin, Axel Nikodemus,	(Dr. Gordon's Mission School.)	Brooklyn, N. Y.
Lagerqvist, Arvid,	(Morgan Park Scandinavian Academy.)	Englewood.
Lindberg, Erik Alfred,	(Morgan Park Scandinavian Academy.)	New York, N. Y.
Lindström, Gustaf Wilhelm,	(Morgan Park Scandinavian Academy.)	Waterbury, Conn.
Lovene, Peter,	(High School.)	Red Wing, Minn.
Nelson, Nels,	(Morgan Park Scandinavian Academy.)	Minneapolis, Minn.
Nelson, Swaney August,	(Morgan Park Scandinavian Academy.)	Minneapolis, Minn.
Nylén, Carl Emil,	(Morgan Park Scandinavian Academy.)	Kansas City, Mo.
Nylin, Johan David,	(Morgan Park Scandinavian Academy.)	New Britain, Conn.
Oberg, Carl E.,	(Morgan Park Scandinavian Academy.)	Chicago.
Olson, Erik Walfrid,	(Bryant Business College.)	Stromsburg, Neb.
Olson, Lewis Ernest,	(Morgan Park Scandinavian Academy.)	Forest City, Ia.
Paulson, Adolf,	(Public School.)	St. Paul, Minn.
Peterson, Frans August,	(Morgan Park Scandinavian Academy.)	Kansas City, Mo.
Rosenlund, Martin Anderson,	(Morgan Park Scandinavian Academy.)	Englewood.
Sandell, Victor,	(Morgan Park Scandinavian Academy.)	Iron River, Mich.
Scott, Carl Gustaf,	(Morgan Park Scandinavian Academy.)	Boston, Mass.
Wallman, Carl Linus,	(Morgan Park Scandinavian Academy.)	Altona.
Widén, Oscar Carl,	(Public School.)	New Sweden, Me.

TOTAL, 36.

NOTE.—The Students of the Danish-Norwegian and of the Swedish Theological Seminary reside in Walker Hall, Morgan Park, Ill.

THE UNIVERSITY COLLEGES.

NOTE.—The numerals which follow the name of the Collegiate degree for which the student is registered, indicate the number of majors with which the University College student has been credited.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST. ^R .	HOME ADDRESS.	PRESENT ADDRESS.
Agerter, Harriet Coe,	A.B., 20.	Morgan Park Academy.	Lima, O.	23 B.
Barnard, Harrison B.,	A.B., 26½.	Wooster University.	Englewood.	510, 62d st.
Beatty, Maria,	A.B., 28.	Lake High School.	Chicago.	4444 Emerald av.
Boomer, Jennie Kathryn,	Ph.B., 32¼.	University of Michigan.	Chicago.	353 East 46th st.
Brandt, Berkeley,	A.B., 32¼.	Allen's Academy.	Chicago.	1316 Michigan av.
Breyfogle, Caroline May,	A.B., 20¼.	Ohio State University.	Columbus, O.	10 B.
Brown, Carolyn Louise,	A.B., 21.	Elgin High School.	Elgin.	584 W. Adams st.
Caraway, Henry Reat,	Ph.B., 32¼.	Northwestern University.	Tuscola.	5745 Rosalie ct.
Carpenter, Paul Fant,	Ph.B., 27.	Coe College.	Cedar Rapids, Ia.	5620 Ellis av.
Chollar, Wilbur Thomas,	S.B., 22¼.	Carleton College.	Redwood Falls, Minn.	5748 Kimbark av.
Clark, Faith Benita,	Ph.B., 27.	Rockford Seminary.	Rockford.	The Colonies.
Cook, Agnes Spofford,	A.B., 24.	Wellesley College.	Normal.	23 F.
Cooley, Edwin Gilbert,	Ph.B., 30.	Iowa State University.	La Grange.	La Grange.
Curtis, John Birdsey,	A.B., 31.	University of Michigan.	Chicago.	7437 Nutt av.
Dougherty, Mabel,	A.B., 31¼.	University of Michigan.	Peoria.	F.
Eastman, Frederick Wilson,	A.B., 24¼.	University of Rochester.	Pearl Creek, N. Y.	Oglesby av. and 61st st.
Flint, Joseph Marshall,	S.B., 27.	Princeton College.	Chicago.	275 E. Huron st.
Foster, Edith Burnham,	Ph.B., 18.	W. Division High School.	Chicago.	24 B.
Foye, Charlotte Henderson,	A.B., 30.	Lawrence University.	Chicago.	422, 34th st.
Friedman, Joseph C.,	Ph.B., 21¼.	So. Division High School.	Chicago.	3916 Prairie av.
Furness, Mary,	A.B., 22.	Lyons High School.	Chicago.	5609 Jackson av.
Gale, Henry Gordon,	A.B., 21.	Aurora High School.	Aurora.	5745 Rosalie ct.
Gettys, Cora Margaret,	A.B., 22.	Morgan Park Academy.	Chicago.	5855 Wright st.
Gilpatrick, Rose Adelle,	Ph.B., 24.	Colby University.	Hallowell, Me.	41 B.
Graves, Paul Spencer,	A.B., 20.	Evanston High School.	Evanston.	537, 55th st.
Haft, Della May,	Ph.B., 20.	Morgan Park Academy.	Chicago.	9 Ray st.
Hay, Mary,	Ph.B., 29.	Butler University.	Englewood.	5711 Rosalie ct.
Heil, John Henry,	A.B., 27¼.	Northwestern University.	Chicago.	3818 Rhodes av.
Hobart, Ralph Hastings,	S.B., 25.	Beloit College.	Chicago.	5110 East End av.
Hoebeke, Cornelius James,	A.B., 32.	Kalamazoo College.	Kalamazoo, Mich.	5622 Ellis av.
Hopkins, Frances Inez,	Ph.B., 26½.	Wellesley College.	Pueblo, Col.	47 F.
Howard, Harry Cooper,	Ph.B., 29¼.	Kalamazoo College.	Kalamazoo, Mich.	5748 Kimbark av.
Hughes, Robert Lee,	A.B., 27.	Mount Hermon School, Massachusetts.	Prospect, N. Y.	57th and Madison av.
Hulshart, John,	A.B., 21.	Peddle Institute, N. J.	Farmingdale, N. Y.	47 Sn.
Hunt, Esther D.,	A.B., 29.	Penn College.	Oskaloosa, Ia.	5724 Drexel av.
Hurlbut, Lila Cole,	Ph.B., 19¼.	Omaha High School.	Chicago.	465 Bowen av.
Jones, Nellie Lauder,	Ph.B., 21.	Mt. Holyoke College.	Peoria.	5417 Cottage Grove av.
Karpen, Julius,	Ph.B., 23.	University of Illinois.	Chicago.	36 Potomac av.
Klock, Martha Frances,	A.B., 22.	Smith College.	Oneida, N. Y.	43 B.
Leiser, Joseph,	A.B., 31.	University of Rochester.	Rochester, N. Y.	51 Sn.
Lewis, Mary Catherine,	A.B., 30.	University of Michigan.	Chicago.	5605 Madison av.
Lewis, Susan Whipple,	A.B., 30.	University of Michigan.	Chicago.	5605 Madison av.
Looney, Belle Eugene,	A.B., 31¼.	Trinity University.	Farmersville, Tex.	6011 Ellis av.
Luttrell, Estelle,	A.B., 23.	Christian University.	Canton, Mo.	Hotel Ingram.
Mathews, John Lathrop,	A.B., 24¼.	Mass. Inst. of Technology.	Evanston.	444, 55th st.
Maynard, Mary Duncklee,	Ph.B., 21¼.	Vassar College.	Milwaukee, Wis.	17 B.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
McClintock, Samuel Sweeney,	Ph.B., 23.	<i>Kentucky University.</i>	<i>Lexington, Ky.</i>	5745 Madison av.
Minard, Frederick Horace,	S.B., 25¼.	<i>Drury College.</i>	<i>Chicago.</i>	Hotel Barry.
Moffatt, William Eugene,	A.B., 23.	<i>No. Division High School.</i>	<i>Chicago.</i>	6040 Washington av.
Moore, John Howard,	A.B., 32¼.	<i>Oskaloosa College.</i>	<i>Cawker City, Kans.</i>	5496 Ellis av.
Moran, Thomas William,	Ph.B., 33¼.	<i>University of Michigan.</i>	<i>Chicago.</i>	4710 Vincennes av.
Oeschger, William,	A.B., 32.	<i>Cotner University.</i>	<i>Valparaiso, Neb.</i>	623, 55th st.
Osgood, William Pleasants,	Ph.B. 30¼.	<i>Northwestern University.</i>	<i>Austin.</i>	5437 Indiana st., Aus- tin.
Packer, Anna Sophia,	A.B., 29¼.	<i>Oberlin College.</i>	<i>Chicago.</i>	558, 55th st.
Pierce, Lucy Frances,	A.B., 30¼.	<i>Vassar College.</i>	<i>Chicago.</i>	4847 Grand boul.
Porterfield, Cora Maude,	A.B., 25.	<i>Illinois State Normal Univ.</i>	<i>Normal.</i>	3715 Langley av.
Raycroft, Joseph Edward,	A.B., 21.	<i>Worcester Academy, Mass.</i>	<i>Boston, Mass.</i>	21 Sn.
Robinson, Irene Elizabeth,	A.B., 30¼.	<i>Vassar College.</i>	<i>Englewood.</i>	5492 Lexington av.
Roosa, Howard,	A.B., 32.	<i>Yale University.</i>	<i>Rosendale, N. Y.</i>	5700 Kimbark av.
Root, Martha Louise,	A.B., 28.	<i>Oberlin College.</i>	<i>Cambridgeboro, Pa.</i>	B.
Sase, Louis,	Ph.B., 22.	<i>W. Division High School.</i>	<i>Chicago.</i>	24 G.
Schnelle, Friedrich Oscar,	S.B., 28.	<i>Real Gymnasium, Landshut (Germany).</i>	<i>Görlitz, Germany.</i>	30 Sn.
Scovel, Louise Claire,	Ph.B., 27¼.	<i>Wooster University.</i>	<i>Chicago.</i>	3745 Ellis av.
Sherman, Franklyn Cole,	A.B., 27¼.	<i>Cornell College.</i>	<i>Chicago.</i>	3724 Ellis av.
Sherwin, Annette,	A.B., 24¼.	<i>Wellesley College.</i>	<i>Denver, Col.</i>	F.
Smith, Kenneth Gardner,	A.B., 20¼.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	53 Sn.
Sperans, Joel,	Ph.B., 26.	<i>Gymnasium, Taganrog, Russia.</i>	<i>Russia.</i>	16 Sn.
Stagg, Stella Robertson,	A.B., 23.	<i>Albion High School, N. Y.</i>	<i>Chicago.</i>	5728 Madison av.
Stone, Harry Wheeler,	A.B., 20¼.	<i>So. Division High School.</i>	<i>Chicago.</i>	3411 Vernon av.
Strawn, Myra Hartshorn,	A.B., 28.	<i>Smith College.</i>	<i>LaSalle.</i>	13 B.
Swarte, Lawrence James de,	A.B., 31¼.	<i>Beloit College.</i>	<i>Milwaukee, Wis.</i>	580, 60th st.
Thomas, Mary Susan,	Ph.B., 20.	<i>Northwestern University.</i>	<i>Myersdale, Pa.</i>	Students' Hall, Englewood.
Todd, Elmer Ely,	A.B., 25¼.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5537 Lexington av.
Van Vliet, Alice,	A.B., 25¼.	<i>So. Division High School.</i>	<i>Chicago.</i>	351, 58th st.
Webster, Ralph Waldo,	Ph.B., 30.	<i>Monmouth College.</i>	<i>Monmouth.</i>	5745 Rosalie ct.
Whyte, James Primrose,	A.B., 22¼.	<i>Brown University.</i>	<i>Waukegan.</i>	5558 Drexel av.
Williams, John William,	Ph.B., 32¼.	<i>Cornell College.</i>	<i>Norwood Park.</i>	Sn.
Willis, Gwendolin Brown,	A.B., 20¼.	<i>Racine Academy.</i>	<i>Racine, Wis.</i>	5551 Lexington av.
Williston, Frances Greenwood,	A.B., 21¼.	<i>So. Division High School.</i>	<i>Elmhurst.</i>	223, 54th st.
Woods, Frank William,	A.B., 27¼.	<i>Colorado College.</i>	<i>Colorado Springs, Colo.</i>	5726 Monroe av.

TOTAL, 80.

THE ACADEMIC COLLEGES.

NOTE.—The numerals which follow immediately upon the name of the Collegiate degree for which the student is registered indicate the number of majors with which the student is credited in the Academic Colleges; in cases where a second numeral is added, it indicates the number of University College majors which the Academic College student has acquired.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abbott, Walter Hazelton,	S.B., 14, 4.	Pennington Seminary.	Camden, N. J.	5802 Jackson av.
Abernethy, Herbert Alonzo,	A.B., 2.	Des Moines College.	Osage, Ia.	43 Sn.
Adams, Victoria Anna,	A.B., 17, 11½.	Wellesley College.	Chicago.	The Colonies Hotel.
Adkinson, Henry Magee,	A.B., 16, 2.	Englewood High School.	Chicago.	5552 Wentworth av.
Allen, William Harvey,	A.B., 13.	Carleton College.	Le Roy, Minn.	5746 Jackson av.
Alschuler, Leon,	Ph.B., 12½.	South Division High School.	Chicago.	2216 Wabash av.
Anderson, Eva Ellen,	Ph.B., 5.	Hyde Park High School.	Chicago.	5522 East End av.
Anderson, Swen Benjamin,	Ph.B., 2.	Northwest Div. High School.	Chicago.	882 Shober st.
Apps, Sarah Elizabeth,	Ph.B., 9.	South Side School.	Chicago.	2551 South Park av.
Arbogast, William Henderson,	A.B., 4, 4.	Illinois State Normal Univ.	Normal.	6320 McChesney av.
Arnold, Oswald James,	Ph.B., 15, 2½.	No. Division High School.	Chicago.	24 Maple st.
Atwood, Harry Fuller,	A.B., 12½, 9½.	Morgan Park Academy.	Hay City, Kans.	578, 60th st.
Atwood, Wallace Walter,	Ph.B., 14, 3½.	W. Division High School.	Chicago.	4531 Forestville av.
Bachellé, Cecil V.,	S.B., 13.	Chicago Academy.	Chicago.	47 Sn.
Bachman, Frank Puterbaugh,	A.B., 11, 3.	Illinois State Normal Univ.	Mackinaw.	5700 Jackson av.
Baird, Mary Brooks,	A.B., 17, 1.	Southern Kansas Academy.	Eureka, Kans.	5815 Madison av.
Baker, Edward Max,	A.B., 2.	Erie High School	Erie, Pa.	3612 Grand boul.
Baker, Georgia Cary,	Ph.B., 16, 3½.	Cornell University.	Harrisville, N. Y.	5316 Jefferson av.
Baldwin, Ann,	A.B., 3, 5½.	The South Side School.	Chicago.	Kl.
Ball, Florence Fielding,	Ph.B., 2.	Geneseo High School.	Joliet.	584, 60th st.
Ball, Helen H.,	Ph.B., 2.	Geneseo High School.	Joliet.	584, 60th st.
Ballou, Susan Helen,	Ph.B., 17.	Saint Katharine's Hall.	Davenport, Ia.	5716 Kimbark av.
Barrett Charles Raymond,	Ph.B., 12.	Saratoga High School.	Saratoga Springs, N. Y.	46 Sn.
Bassett, Wilbur Wheeler,	Ph.B., 13.	Harvard University.	Chicago.	5208 Kimbark av.
Batt, Max,	Ph.B., 16.	So. Division High School.	Chicago.	3752 Elmwood av.
Beach, Clinton Stilwell,	S.B., 9.	Chicago Preparatory School.	Chicago.	57 Bryant av.
Beers, Arthur Edward,	Ph.B., 3.	South Division High School.	Chicago.	3403 Paulina st.
Beers, Ethel Ella,	A.B., 2.	South Division High School.	Chicago.	3414 S. Paulina st.
Bell, Glenrose M.,	Ph.B., 17½.	Ferry Hall, Lake Forest.	Chicago.	5810 Washington av.
Bennett, Lucy Lovejoy,	A.B., 16½, ½.	Evanston High School.	Evanston.	5513 Washington av.
Bigelow, Jessie Florence,	Ph.B., 11, 14.	University of Nebraska.	Ogden, Utah.	6410 Ellis av.
Bishop, William Reed,	Ph.B., 12½, 1½.	N. Y. State Normal School.	Oswego, N. Y.	5737 Kimbark av.
Bliss, Charles King,	A.B., 14½.	Morgan Park Academy.	Longwood.	Longwood.
Bliss, Gilbert Ames,	S.B., 9, 1.	Hyde Park High School.	Chicago.	4528 Lake av.
Bond, William Scott, Jr.,	Ph.B., 11.	Preparatory, Beloit College.	Chicago.	4025 Drexel boul.
Breeden, Waldo,	Ph.B., 12½.	Jamestown High School, N. Y.	Santa Fe, N. M.	15 Sn.
Broek, Herman John,	A.B., 11.	Hope College.	South Holland.	6840 Perry av.
Brown, Edwin Putnam,	A.B., 15, 4½.	Brown University.	Beaver Dam, Wis.	5558 Drexel av.
Brown, James Scott,	A.B., 9.	Omaha High School.	Chicago.	6357 Wright st.
Browne, Agnes May,	A.B. 15½.	Morgan Park Academy.	Morgan Park.	Morgan Park.
Burkhalter, Mary,	A.B., 1.	Coe College.	Cedar Rapids, Ia.	5815 Madison av.
Burkhalter, Robert Proseus,	A.B.	Knox College.	Galesburg.	48 Sn.
Burns, Allen Tibbals,	A.B., 7.	Hyde Park High School.	Chicago.	5639 Washington av.
Burns, William Marsh,	A.B.,	South Side School.	Chicago.	5639 Washington av.
Bushnell, Charles Joseph,	Ph.B., 2.	Englewood High School.	Chicago.	544, 59th st.
Butler, Sarah Elizabeth,	Ph.B., 9½.	Girls' Classical School, Indianapolis.	Indianapolis, Ind.	Kl.

NAME..	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Calhoun, Fred Harvey Hall,	S.B., 5, 1.	<i>South Side School.</i>	<i>Auburn, N. Y.</i>	2236 Indiana av.
Campbell, Gavin Archibald,	A.B., 14, 5.	<i>Williams College.</i>	<i>Stevens Point, Wis.</i>	32 Sn.
Campbell, Harry Bartlett,	Ph.B., 1.	<i>Geneseo High School.</i>	<i>Joliet.</i>	584, 60th st.
Campbell, John Tyler,	S.B., 13, 1.	<i>Washburn College, Topeka, Kans.</i>	<i>Cheney, Kans.</i>	5620 Ellis av.
Campbell, Joseph White,	Ph.B., 3½.	<i>Phillips Academy, Andover, Mass.</i>	<i>Cambridge, O.</i>	5748 Kimbark av.
Candee, Frances,	Ph.B., 10¼.	<i>Wells College.</i>	<i>Chicago.</i>	12 F.
Capen, Charlotte Briggs,	Ph.B., 3.	<i>Illinois State Normal Univ.</i>	<i>Bloomington.</i>	1 F.
Carroll, Percy Peyton,	Ph.B.	<i>Hanover College.</i>	<i>Marion, Ind.</i>	5700 Kimbark av.
Chace, Henry Thurston, Jr.,	S.B., 17¼, 2.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5740 Rosalie ct.
Chamberlin, Elisabeth,	Ph.B., 6.	<i>South Side School.</i>	<i>Chicago.</i>	2311 Indiana av.
Chamberlin, John Clark, Jr.,	A.B., 11¼.	<i>South Side School.</i>	<i>Chicago.</i>	17 G.
Clarke, Henry L.,	Ph.B., 14, 13.	<i>So. Division High School.</i>	<i>Chicago.</i>	3338 Calumet av.
Clarke, Henry Tefft, Jr.,	Ph.B., 14¼.	<i>Williams College.</i>	<i>Omaha, Neb.</i>	6357 Wright st.
Coleman, Melvin Edward,	A.B., 2.	<i>University of Minnesota.</i>	<i>Chicago.</i>	5311 Madison av.
Cooke, Florence Elizabeth,	Ph.B.	<i>Lake View High School.</i>	<i>Chicago.</i>	5512 Madison av.
Coolidge, Elizabeth Teasdale,	A.B. 14¼, 10.	<i>So. Division High School.</i>	<i>Chicago.</i>	6032 Monroe av.
Cornish, Charlotte Harrison,	Ph.B., 9.	<i>Morgan Park Academy,</i>	<i>Gillette, N. J.</i>	5718 Kimbark av.
Cosgrove, Marion Vernon,	A.B., 11.	<i>South Side School.</i>	<i>Chicago.</i>	6315 Monroe av.
Coy, Harry,	A.B., 4.	<i>South Side School.</i>	<i>Chicago.</i>	3934 Michigan av.
Crandall, Vinnie May,	Ph.B., 11.	<i>Harvard School.</i>	<i>Chicago.</i>	4443 Berkeley av.
Crookham, Sara,	Ph.B. 14, 2½.	<i>Mt. Holyoke College,</i>	<i>Oskaloosa, Ia.</i>	5418 Greenwood av.
Cullen, Charles Edward,	A.B., 1.	<i>South Chicago High School.</i>	<i>South Chicago.</i>	8908 Commercial av.
Currier, Evelyn Belle,	Ph.B., 7.	<i>Evelyn College.</i>	<i>Chicago.</i>	F.
Davis, George Meredith,	Ph.B.	<i>West Aurora High School,</i>	<i>Aurora.</i>	26 Sn.
Davis, Percy Boyd,	Ph.B., 4.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	241 Oakwood av.
Deffenbaugh, Walter,	Ph.B., 4.	<i>University of Michigan.</i>	<i>South Bend, Ind.</i>	11 Sn.
Dibell, Charles Dorrance,	A.B., 18¼, 3.	<i>Morgan Park Academy.</i>	<i>Joliet.</i>	24 G.
Dignan, Frank Winans,	A.B., 12.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5853 Indiana av.
Dornisfe, Samuel Seiler,	A.B., 10.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	521 E. 45th st.
Dougherty, Horace Raymond,	A.B., 15¼, 3½.	<i>University of Michigan.</i>	<i>Peoria,</i>	9 G.
Drew, William Prentiss,	A.B., 15.	<i>Englewood High School.</i>	<i>Chicago.</i>	535, 67th st.
Dudley, Raymond Carleton,	Ph.B., 16¼, 3.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	2613 Indiana av.
Dumke, Julia Florida,	S.B., 1.	<i>Morgan Park Academy.</i>	<i>Belle Plaine, Ia.</i>	F.
Dunning, Willis Estey,	A.B.	<i>Williams College.</i>	<i>Chicago.</i>	5553 Wentworth av.
Durand, Herbert Cassius,	A.B., 12.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	435 East 41st st.
Eberhart, Grace Josephine,	Ph.B., 3.	<i>South Side School.</i>	<i>Chicago Lawn.</i>	Chicago Lawn.
Ebersole, Abram,	A.B., 16, 13.	<i>University of Wisconsin.</i>	<i>Sterling.</i>	2340 Indiana av.
Ebersole, Amos A.,	A.B., 4.	<i>Hillsdale College.</i>	<i>Sterling.</i>	2340 Indiana av.
Edmonson, Samuel Boone,	A.B., 17, 13.	<i>Kentucky University.</i>	<i>Chicago.</i>	3702 Ellis av.
Eldred, Stella Rennie,	Ph.B., 1.	<i>Illinois State Normal Univ.</i>	<i>Gardner.</i>	5622 Ellis av.
Ely, Jessie Harrison,	Ph.B., 5.	<i>South Side School.</i>	<i>Englewood.</i>	6805 Perry av.
Enelow, Hyman Gerson,	Ph.B., 3.	<i>Real Schl., Poneviesh, Russia.</i>	<i>Libau, Russia.</i>	5546 Ingleside av.
Evans, Edward Brice,	A.B., 10.	<i>Cook Academy.</i>	<i>Chicago.</i>	433 E. 58th st.
Evans, Florence,	Ph.B., 2.	<i>Illinois State Normal Univ.</i>	<i>Bloomington,</i>	B.
Feilchenfeld, Sara,	Ph.B.	<i>Corry, Pa., High School.</i>	<i>Chicago.</i>	5323 Calumet av.
Fesler, Mayo Ralph.	Ph.B., 2.	<i>De Pauw University.</i>	<i>Morgantown, Ind.</i>	578, 60th st.
Finney, Julia Metcalfe,	Ph.B.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5755 Madison av.
Fish, Clarence Everett,	Ph.B., 6.	<i>South Division High School.</i>	<i>Chicago.</i>	8 Haven st.
Fish, Leila Gladys,	Ph.B., 12.	<i>So. Division High School.</i>	<i>Chicago.</i>	3226 Calumet av.
Flanders, Knight French,	A.B., 5¼.	<i>South Side School.</i>	<i>Chicago.</i>	64, 23d st.
Flint, Nott William,	A.B., 8¼.	<i>Lake Forest Academy.</i>	<i>Chicago.</i>	275 E. Huron st.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Fogg, Emily,	A.B., 14, 4.	Wellesley College.	Chicago.	Kl.
Ford, Margaret,	A.B., 11.	South Side School.	Chicago.	6011 Ellis av.
Fox, Andrew Noah,	A.B., 14½, 11.	Butler University.	Chicago.	1280 Wilcox av.
Frazeur, Annie Laurie,	A.B., 15½, 4½.	Tufts College.	Chicago.	1032 Warren av.
Freeman, Grace,	A.B., 17, 3.	Wellesley College.	Aurora.	11 F.
Freeman, Joseph Edwin,	Ph.B., 2.	East Aurora High School.	Aurora.	36 Sn.
Freeman, Mabel Dora,	Ph.B., 1.	Hyde Park High School.	Chicago.	5760 Woodlawn av.
Freeman, Marilla Waite,	Ph.B., 14½.	Elmira College.	Naperville.	F.
Frutchey, Marcus Peter,	A.B., 4.	Private Study.	Philadelphia.	5728 Rosalie ct.
Gano, Laura Campbell,	S.B., 14½, 10½.	Earlham College.	Richmond, Ind.	214, 53d st.
Garver, Roy Cyrus,	Ph.B., 13, 4.	Oberlin College.	Bloomington.	560 E. 55th st.
Gatzert, Blanche,	Ph.B., 10.	So. Division High School.	Chicago.	3628 Grand boul.
Geselbracht, Franklin Hermon,	A.B., 3.	North Division High School.	Chicago.	257 Fremont st.
Gilchrist, Charles Chandler,	Ph.B.	Lake View High School.	Ravenswood.	324, 57th st.
Gleason, Fred,	S.B., 11, 4.	University of Iowa.	Englewood.	330 Chestnut st.
Goldberg, Hyman Elijah,	S.B., 13½, 14.	W. Division High School.	Chicago.	297 S. Clark st.
Goldsmith, Lillian Rosalia,	Ph.B., 6.	Chicago Academy.	Chicago.	423 Ashland boul.
Goodell, Caroline May,	Ph.B., 10, 3.	Iowa College.	New York, Ia	5763 Madison av.
Goodman, Charles Augustus,	A.B., 11.	South Side School.	Chicago.	3333 Wabash av.
Goodman, Kate Alice,	A.B.,		Antrims Point, Kas.	5823 Drexel av.
Grant, Forest,	A.B., 9.	Lake Forest College.	Stevens Point, Wis.	Sn.
Graves, Eva Bronson,	Ph.B., 11	Harvard School.	Chicago.	4526 Woodlawn av.
Graves, Laura Belcher,	S.B., 10, 1.	Harvard School.	Memphis, Tenn.	Kl.
Graves, Mary Browne,	A.B.,	Lyons Township High School.	LaGrange.	LaGrange.
Graves, Robert Elliott,	S.B.,	Hyde Park High School.	Chicago.	5663 Washington av.
Greenbaum, Julius Curtis,	Ph.B., 7, 1.	South Division High School.	Chicago.	156, 31st st.
Griswold, Roy Coleman,	Ph.B., 2.	South Division High School.	Chicago.	3236 Forest av.
Guthrie, Emily Wilson,	A.B., 11.	South Side School.	Chicago.	4054 State st.
Gwin, James Madison,	Ph.B., 9.	Harvard School.	Chicago.	4558 Oakenwald av.
Hagey, John Franklin,	A.B.,	Davenport High School.	Chicago.	4247 Calumet av.
Hale, Berdena Mabel,	Ph.B., 16, 3½.	Wayland Academy.	Omro, Wis.	588, 60th st.
Hale, William Browne,	A.B., 2.	Private Instruction.	Chicago.	4545 Drexel av.
Hamilton, Aletheia,	A.B., 17, 14.	Ohio Wesleyan University.	Chicago.	4720 Madison av.
Hancock, Arthur,	A.B., 17, 11½.	Johns Hopkins University.	Overton, Va.	5714 Monroe av.
Harding, Susan Grace,	A.B., 4.	South Division High School,	Chicago.	B.
Harms, Frank Henry,	A.B.,	North Division High School.	Chicago.	6543 LaFayette st.
Harris, Juliet,	A.B., 4.	West Division High School,	Chicago.	Kl.
Harris, Morton D.,	Ph.B., 2.	West Aurora High School.	Aurora.	580, 60th st.
Hay, Fannie Steele,	Ph.B., 12.	Butler University.	Englewood.	5711 Rosalie ct.
Hayward, Philip,	A.B., 7, 3.	The Harvard School.	Chicago.	4446 Woodlawn av.
Henderson, Hermann Charles,	A.B., 17, 13½.	University of New Brunswick.	Andover, N. B.	578, 60th st.
Hering, Frank Earle,	Ph.B., 9.	Williamsport High School.	Williamsport, Pa.	45 Sn.
Herschberger, Clarence Bert,	A.B., 2.	Peoria High School.	Peoria, Ill.	22 Sn.
Hessler, John Charles,	A.B., 9, 7½.	Northwestern University.	Chicago.	346, 55th st.
Hewitt, Helen Orme,	Ph.B., 6.	South Side School.	Chicago.	5535 Lexington av.
Hewitt, Henry Harwood,	A.B., 14½, 1.	Morgan Park Academy.	Chicago.	5535 Lexington av.
Higgins, William Addison,	A.B., 16, 8.	Wabash College.	N. Indianapolis, Ind.	5800 Jackson av.
Hill, Elizabeth Gertrude,	A.B., 12, 15.	Mt. Holyoke Seminary.	Red Wing, Minn.	B.
Holloway, Harry Cyrus,	S.B., 11, 8.	Chicago Manual Training School.	Chicago.	3436 Prairie av.
Holton, Nina Gates,	S.B., 13, 18.	Zürich University.	Andover, Mass.	5800 Jackson av.
Hopkins, Allan,	A.B., 3.	Omaha High School.	Omaha, Neb.	717, 57th st.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hoyt, Allen Gray,	Ph.B., 2.	West Aurora High School.	Aurora.	580, 60th st.
Hubbard, Harry David,	A.B., 12, 11½.	Temple College.	Philadelphia, Pa.	25 G.
Hubbard, Mary Laura,	Ph.B., 17, 6½.	Mt. Holyoke College.	Chicago.	6128 Lexington av.
Hurlbutt, Wells Henry, Jr.,	A.B., 2.	Springfield High School.	Geneva, O.	5620 Ellis av.
Hutchings, Josephine L.,	Ph.B., 10.	Miss Lupton's School.	Madison, Ind.	5716 Washington av.
Hyman, Isaac Barney,	A.B., 9.	Morgan Park Academy.	Chicago.	83, 33d st.
Ickes, Harold Le Claire,	A.B., 3.	Englewood High School.	Altoona, Pa.	5552 Wentworth av.
Ide, Adelaide Melcher,	A.B., 16, 5.	Wellesley College.	Apia, Samoa.	31 B.
Jackson, Cora Belle,	A.B., 17½.	Howard University.	Chicago.	5429 Jackson av.
Jackson, William Hayden,	A.B., 7.	Hyde Park High School.	Chicago.	5726 Monroe av.
Janss, Herman,	S.B., 12½, 6½.	Northwestern University.	Chicago.	3411 Cottage Grove av.
Janssen, Ralph J.,	A.B., 3.	Hope College.	Zeeland, Mich.	578, 60th st.
Jegi, John I.,	S.B., 14½, 3.	University of Wisconsin.	Chicago.	455, 55th st.
Johnson, Franklin, Jr.,	A.B., 12, 11.	Harvard University.	Chicago.	Hotel Barry.
Johnson, Ralph Hiram,	A.B., 16, 2.	Kenyon Military Academy, Ohio.	Marion, Ind.	10 G.
Johnson, Victor Oscar,	A.B., 15½, 5½.	Northwestern University.	Genoa, Neb.	57th and Madison av.
Jones, Raymond Alger,	A.B., 16, 4.	University of Nebraska.	Lincoln, Neb.	155, 53d st.
Jordan, Herbert Ray,	Ph.B., 9½.	Morgan Park Academy.	Chicago.	5496 Ellis av.
Kane, Theodosia,	Ph.B., 11.	Chicago Academy.	Chicago.	Kl.
Keen, Ethel,	S.B., 1.	Mrs. Loring's School.	Chicago.	Kl.
Kellogg, Edith Sarah,	S.B., 17½, 5½.	Iowa College.	Correctionville, Ia.	2970 Groveland av.
Kells, Mabel Avery,	A.B., 11.	Sauk Centre High School.	Sauk Centre, Minn.	14 B.
Kennedy, Jeanette,	Ph.B., 9.	Ferry Hall Seminary.	Rib Lake, Wis.	Kl.
Kern, William Casper,	S.B., 1.	West Point Military Acad.	Fort Wayne, Ind.	5802 Jackson av.
Kerr, Mary Luella,	A.B., 16, 3½.	Morgan Park Academy.	Washington, Iowa.	5417 Cottage Grove av.
Kienzle, Frederick W.,	A.B., 2.	Hanover College.	Moorefield, Ind.	578, 57th st.
Krohn, Carrie Bertha,	Ph.B., 4.	Smith College.	Freeport.	37 B.
Lackner, Edgar Cranfield,	Ph.B., 11½.	University of Michigan.	Aurora.	40 Sn.
Lamay, John,	S.B. 16, 10½.	Northwestern University.	Evanston.	46 Sn.
Lansingh, Van Rensselaer,	S.B., 13½, 6½.	College of City of N. Y.	Chicago.	5109 Kimbark av.
Law, Robert, Jr.,	Ph.B., 5½.	South Side School.	Chicago.	5120 East End av.
Lenington, Nellie Blanche,	Ph.B., 2.	South Division High School.	Chicago.	207, 36th st.
Lester, Irwin,	S.B.,	Tuscola High School.	Tuscola.	5333 Greenwood av.
Lester, Minnie,	Ph.B., 2.	Tuscola High School.	Tuscola.	5333 Greenwood av.
Lewis, John Simon, Jr.,	A.B., 14½, 10.	Beloit College.	Dubuque, Ia.	5748 Kimbark av.
Lingle, Bowman Church,	A.B., 16, 1.	Morgan Park Academy.	Chicago.	3144 Vernon av.
Linn, James Weber,	A.B., 14½, 1.	Buena Vista College.	Storm Lake, Ia.	38 Sn.
Lipsky, Harry Alexander,	S.B., 12½, 5.	Morgan Park Academy.	Chicago.	81, 31st st.
Livingston, Frederick Jacob,	Ph.B., 4.	No. Division High School.	Chicago.	5726 Drexel av.
Loeb, Ludwig,	S.B., 14, 3.	No. Division High School.	Chicago.	50 Sn.
Loesch, Angie,	A.B., 8.	No. Division High School.	Chicago.	46 Lincoln place.
Logie, Alfred Ernest,	A.B., 14, 4.	Pomona College.	Redlands, Cal.	Grand Crossing.
Lovejoy, Mary Evelyn,	A.B., 11, 1.	Wellesley College.	Chicago.	347 E. 56th st.
Lovett, William Pierce,	A.B., 4.	Des Moines College.	Davenport, Ia.	5726 Monroe av.
Lowy, Walter D.,	Ph.B., 8.	Northwestern University.	Chicago.	3626 Ellis Park.
Macomber, Charles Coombs,	Ph.B., 10.	Stimpon College.	Carroll, Ia.	48 Sn.
Mandel, Edwin Frank,	A.B., 8.	Harvard School.	Chicago.	20 G.
Mandeville, Paul,	A.B.,	Englewood High School.	Chicago.	6410 Stewart av.
Manning, Grace Emma,	Ph.B., 3½.	De Pauw University.	Peru, Ind.	B.
Manning, Lucia May,	Ph.B., 10½, 1.	De Pauw University.	Peru, Ind.	B.
Martin, H. Mabel,	Ph.B., 2.	South Division High School.	Chicago.	3122 Rhodes av.

RECORDS.

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NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
McClenahan, Henry Stewart,	S.B., 3½.	Lake Forest College.	Macomb.	346, 56th st.
McClintock, Anna James,	Ph.B., 12, 8.	Millersburgh Female College.	Millersburgh, Ky.	Kl.
McGee, Harry Laverne,	Ph.B., 5.	South Side School.	Chicago.	1927 Indiana av.
McGillivray, Clifford Bottsford,	S.B., 11, 2.	Morgan Park Academy.	Chicago.	3727 Vernon av.
McIntyre, Moses Dwight,	A.B., 2.	Hyde Park High School.	Milwaukee, Wis.	19 Sn.
McKinley, Albert Edward,	Ph.B., 16, 4.	Temple College.	Philadelphia, Pa.	25 G.
McNeal, Edgar Holmes,	A.B., 16, 2½.	Lake Forest University.	Chicago.	7441 Victoria av.
Meloy, Robert Bingham,	A.B., 9.	Washington and Jefferson College.	Chicago.	149 S. Paulina st.
Mentzer, John Preston,	Ph.B., 2.	Cornell College.	Marion, Ia.	309 E. 56th st.
Merrifield, Fred,	A.B., 2.	Ottawa High School.	Ottawa.	6130 Lexington av.
Messick, Elizabeth,	Ph.B., 16.	Miss Higbee's Academy.	Memphis, Tenn.	Kl.
Miller, Elsie Prince,	Ph.B., 1.	West Aurora High School.	Aurora.	5 B.
Miller, Ethel Dike,	Ph.B., 2.	West Aurora High School.	Aurora.	5 B.
Minnick, Arthur,	A.B., 12, 5.	Englewood High School.	Chicago.	6029 Ellis av.
Mitchell, Wesley Clair,	A.B., 16, 6.	Decatur High School.	Decatur.	5800 Jackson av.
Moore, Carrie Sheldon,	A.B., 15, 2½.	Wayland Academy.	Chicago.	390, 57th st.
Moore, Ruth Ellen,	A.B., 3.	Illinois State Normal Univ.	Bloomington.	B.
Morgan, Marion Sherman,	Ph.B., 16, 1½.	Smith College.	Chicago.	F.
Morgan, Thomas S.,	A.B., 15, 5.	Bucknell University.	Chicago.	5623 Drexel av.
Mosser, Stacy Carroll,	Ph.B., 11.	Hedding College.	Abingdon.	62 Sn.
Neal, Edith Leavitt,	A.B., 1.	Hyde Park High School.	Chicago.	4604 Langley av.
Neel, Carr Baker,	S.B., 14, 6.	Oakland High School, Cal.	Chicago.	3718 Ellis av.
Nelson, Jessie Louisa,	Ph.B., 9½.	Columbian College, Washington, D. C.	Helena, Montana.	F.
Nichols, Frederick Day,	A.B., 14, 2½.	Cedar Valley Seminary, Ia.	Osage, Ia.	27 Sn.
Noble, Jane Frances,	Ph.B., 16, 14.	University of Michigan.	Rice Lake, Wis.	5474 Greenwood av.
Norwood, Joseph,	S.B., 5½.	Furman University.	Greenville, S. C.	578 E. 60th st.
O'Brien, Nellie Regina,	Ph.B.	Lake View High School.	Chicago.	57 Grant pl.
Oglevee, Nannie Gourley,	Ph.B., 8.	Wells College.	Columbus, O.	3000 Indiana av.
Osborne, Sarah Nicoll,	A.B., 2.	Mrs. Loring's School.	Chicago.	4455 Grand boul.
Osgood, Ella Maria,	Ph.B., 12.	Oneida High School, N. Y.	Verona, N. Y.	B.
Paterson, Edward Alexander,	S.B., 2.	De Pauw University.	Chicago.	6105 Sheridan av.
Patterson, Theodore Hiram,	A.B., 2.	Northwestern University.	Chicago.	194, 37th st.
Payne, Walter A.,	Ph.B., 14, 12.	Missouri State Normal.	Hurdland, Mo.	578, 60th st.
Peabody, Earl William,	Ph.B., 17, 1.	Morgan Park Academy.	Chicago.	5747 Madison av.
Peirce, Alice,	A.B., 15.	University of Michigan.	Chicago.	5464 Washington av.
Perkins, Mary,	Ph.B., 12.	W. Division High School.	Chicago.	663 Washington boul.
Pershing, Ward Beecher,	S.B., 9, 1.	South Side School.	Chicago.	337, 53d st.
Peterson, Harvey Andrew,	A.B., 13.	St. Louis High School.	St. Louis, Mo.	37 Sn.
Pienkowsky, Arthur Thaddeus,	Ph.B., 9.	Morgan Park Academy.	Chicago.	5806 Drexel av.
Pike, Charles Sumner,	A.B., 14½, 9.	So. Division High School.	Chicago.	3908 Ellis av.
Piper, Margaret,	Ph.B., 6.	Northwestern University.	Chicago.	3521 Bloom st.
Pomeroy, George Strickland,	S.B.	St. Ignatius College.	Chicago.	517 W. Congress st.
Radford, May Eugenia,	A.B., 15.	Leroy Union School, N. Y.	Buffalo, N. Y.	117, 55th st.
Rand, Philip,	Ph.B., 12.	Phillips Exeter Academy.	Chicago.	12 G.
Randall, Henry Hulbert,	S.B., 11, 4.	University of Minnesota.	St. Paul, Minn.	55th st & Ellis av.
Raster, Walther,	S.B.	Harvard School.	Chicago.	391 Jackson boul.
Reddy, Mary E.,	S.B., 2.	Morgan Park Academy.	Chicago.	3244 Indiana av.
Rice, Inez Dwight,	Ph.B., 2.	West Division High School.	Chicago.	19 Pratt Place.
Richards, Carl Ernst,	A.B., 11, 5½.	Iowa College.	Red Oak, Ia.	5492 Ellis av.
Richardson, William Derrick,	S.B., 2.	Hyde Park High School.	Chicago.	4803 Madison av.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Robinson, David Moore,	A.B., 3.	<i>Polytechnic Institute, Brooklyn, N. Y.</i>	<i>Chicago.</i>	6636 Wright st.
Roby, Charles Foster,	Ph.B., 1½.	<i>Notre Dame University.</i>	<i>Roby, Ind.</i>	34 Sn.
Rothschild, Isaac Solomon,	S.B., 12., 1.	<i>W. Division High School.</i>	<i>Chicago.</i>	427 Carroll av.
Rubel, Maurice,	S.B., 2.	<i>South Division High School.</i>	<i>Chicago.</i>	25 Sn.
Rudd, Arthur Horace,	S.B., 2.	<i>West Division High School.</i>	<i>Chicago.</i>	7082 S. Chicago av.
Rugh, Ralph Elliott,	A.B., ½.	<i>South Side School.</i>	<i>Fort Collins, Colo.</i>	6126 Ingleside av.
Runyon, Laura Louise,	Ph.B., 6.	<i>Plainfield High School.</i>	<i>Plainfield, N. J.</i>	40 F.
Russell, Loren Milford,	S.B., 10, 3.	<i>Morgan Park Academy.</i>	<i>Englewood.</i>	6357 Stewart av.
Salinger, Louis,	Ph.B., 2.	<i>Chicago Preparatory School.</i>	<i>New York City.</i>	100, 36th st.
Sampeell, Marshall Emmett,	A.B., 15½, 1½.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	6851 Wentworth av.
Schoenfeld, Charles Joseph,	S.B., 2.	<i>South Division High School.</i>	<i>Chicago.</i>	360 Oakwood boul.
Schwarz, Edith Ewing,	Ph.B., 12.	<i>Englewood High School.</i>	<i>Englewood.</i>	F.
Scott, Laura May,	A.B., 2.	<i>Armour Institute.</i>	<i>Chicago.</i>	6754 Lafayette av.
Seavey, Harriet Louise,	Ph.B., 2.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4626 Champlain av.
Shire, Millie,	Ph.B., 1.	<i>Chicago Academy.</i>	<i>Chicago.</i>	557 Jackson av.
Shreve, Royal Ornan,	Ph.B., 5.	<i>Illinois Wesleyan University.</i>	<i>Bloomington.</i>	17 G.
Shutterly, John Jay,	Ph.B., 2.	<i>Northwestern Academy.</i>	<i>Evanston.</i>	1220 Chicago av.
Simpton, Burton Jesse,	S.B., 14½, 1.	<i>Morgan Park Academy.</i>	<i>Moline.</i>	5800 Jackson av.
Simpson, Elmer William,	A.B., 2.	<i>South Side School.</i>	<i>Oak Lawn.</i>	5442 Drexel av.
Sincere, Victor Washington,	A.B., 9.	<i>South Side School.</i>	<i>Chicago.</i>	20 G.
Skillin, Abbie Eola,	S.B., 2.	<i>Oak Park High School.</i>	<i>Oak Park.</i>	F.
Smith, Arthur Whipple,	S.B.	<i>Colgate Academy.</i>	<i>Chicago.</i>	5039 Lake av.
Smith, Henry Justin,	A.B., 16½, 3½.	<i>Morgan Park Academy.</i>	<i>Morgan Park.</i>	5337 Lexington av.
Snite, Francis Joseph,	A.B., 2.	<i>West Division High School.</i>	<i>Chicago.</i>	20 Sn.
Spray, Jessie Nea,	A.B., 2.	<i>West Division High School.</i>	<i>Chicago.</i>	Kl.
Steigmeyer, Frederick Frank	S.B., 5, 1½.	<i>Buchtel College.</i>	<i>Attica, O.</i>	5418 Greenwood av.
Stevens, Raymond William,	A.B., 14, 1.	<i>South Side School.</i>	<i>Chicago.</i>	483 Bowen av.
Stewart, Charles Wesley,	S.B., 9, 6½.	<i>Colgate University.</i>	<i>Hewickville.</i>	578 E. 60th st.
Stiles, Bertha Vernon,	A.B., 13, 4½.	<i>University of Wisconsin.</i>	<i>Kansas City, Mo.</i>	7330 Webster av.
Tefft, Nellie Edna,	A.B., 12.	<i>Elgin High School.</i>	<i>Elgin.</i>	50 B.
Teller, Charlotte Rose,	Ph.B., 2.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4315 Berkeley av.
Thach, James Harmon,	A.B., 2.	<i>Webb's School.</i>	<i>Bell Buckle, Tenn.</i>	5724 Drexel av.
Thompson, Emily Churchill,	A.B., 12.	<i>Lake High School.</i>	<i>Chicago.</i>	4457 Emerald av.
Thompson, Helen Bradford,	Ph. B., 9.	<i>Englewood High School.</i>	<i>Englewood.</i>	326 Chestnut st.
Tolman, Cyrus Fisher, Jr.,	S.B., 17½, 2.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	41 University Place.
Tooker, Robert Newton, Jr.,	A.B., 10½.	<i>University School.</i>	<i>Chicago.</i>	29 Sn.
Trumbull, Donald Shurtleff,	A.B., 12.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4544 Oakenwald av.
Vaughan, Franklin Egbert,	A.B., 2.	<i>Englewood High School.</i>	<i>Chicago.</i>	517 Englewood av.
Vaughan, L. Brent,	Ph.B., 13½, 2.	<i>Oberlin College.</i>	<i>Swanton, O.</i>	5745 Rosalie ct.
Voigt, John Frederick, Jr.,	Ph.B., 15, 12.	<i>Illinois College.</i>	<i>Mattoon.</i>	5622 Ellis av.
Wales, Henry Whitwell, Jr.,	Ph.B., 18.	<i>Hyde Park High School.</i>	<i>Lanark.</i>	4308 Ellis av.
Walker, Clyde Buchan,	S.B., 2.	<i>Colorado Springs High School.</i>	<i>Colorado Springs, Col.</i>	42 Sn.
Wallace, Emma,	A.B., 15½, 1½.	<i>Englewood High School.</i>	<i>Englewood.</i>	748, 71st st.
Walling, William English,	S.B., 14, 1½.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4127 Drexel boul.
Walls, Emma Beales,	Ph.B., 14, 4.	<i>Northwestern University.</i>	<i>Chicago.</i>	4334 Greenwood av.
Waterbury, Ivan Calvin,	Ph.B., 2.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5475 Ridgewood ct.
Werkmeister, Marie,	S.B.	<i>South Division High School</i>	<i>Chicago.</i>	3329 Vernon av.
Wescott, Frank Howard,	A.B., 10, 1.	<i>Illinois State Normal Univ.</i>	<i>Lacon.</i>	5700 Jackson av.
White, George Louis,	A.B., 8.	<i>University of Omaha.</i>	<i>Lyons, Neb.</i>	5509 Cottage Grove av.
Wildman, Banks John,	A.B., 2.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	473 W. Adams st.
Wiley, Harry Dunlap,	S.B., 14½, 1.	<i>Princeton High School.</i>	<i>Dunlap,</i>	53 Sn.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Williams, Charles Byron,	A.B., 16½.	<i>University of Rochester.</i>	<i>Minneapolis, Minn.</i>	691, 57th st.
Winston, Alice,	A.B., 8.	<i>South Side School.</i>	<i>Chicago.</i>	6051 Madison av.
Winston, Charles Sumner,	A.B., 13, 4¼.	<i>South Side School.</i>	<i>Chicago.</i>	6051 Madison av.
Wolff, Louis, Jr.,	S.B., 12, 3¼.	<i>Chicago Academy.</i>	<i>Chicago.</i>	1319 Washingt'n boul.
Woods, William Brenton,	Ph.B., 16½, 15½.	<i>University of Michigan.</i>	<i>Chicago.</i>	395, 57th st.
Woolley, Edwin Campbell,	A.B., 2.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	5535 Cornell av.
Woolley, Paul Gerhardt,	S.B., 8, 3¼.	<i>Ohio Wesleyan University.</i>	<i>Chicago.</i>	5535 Cornell av.
Wright, Laura May,	A.B., 2.	<i>Hyde Park High School.</i>	<i>Chicago.</i>	32 Kl.
Yarzembaki, Vladyslas,	S.B., 9, 3.	<i>N. W. Division High School.</i>	<i>Warsaw, Europe.</i>	28 Tell pl.
Yundt, Emery Roscoe,	Ph.B., 16, 8¼.	<i>Mt. Morris College.</i>	<i>Mt. Morris.</i>	5709 Drexel av.
TOTAL, 309.				

THE UNCLASSIFIED STUDENTS.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abell, Harry Delmont,	<i>Mt. Hermon (Northfield, Mass.)</i>	<i>Uxbridge, Mass.</i>	35 Sn.
Aber, Mary Alling,	<i>Oswego (N. Y.) State Normal School.</i>	<i>Chicago.</i>	429, 57th st.
Adams, Julia Regula,	<i>Kirkland School.</i>	<i>Chicago.</i>	Kl.
Aldrich, Grace D.,	<i>Illinois State Normal University.</i>	<i>Normal.</i>	5622 Ellis av.
Anderson, Esther Lowell,	<i>Adelphi Academy (N. Y.)</i>	<i>Chicago.</i>	5724 Drexel av.
Austrian, Celia,	<i>South Division High School.</i>	<i>Chicago.</i>	3129 Michigan av.
Austrian, Delia,	<i>South Division High School.</i>	<i>Chicago.</i>	3129 Michigan av.
Backus, Florence,	<i>Oberlin College.</i>	<i>Burlington, Ia.</i>	5836 Drexel av.
Baird, William James,	<i>University of Colorado.</i>	<i>Cheyenne Wells, Col.</i>	623, 55th st.
Bardwell, Etta May,	<i>Northwestern Normal School.</i>	<i>Lorenzo.</i>	5722 Kimbark av.
Barlow, Levi Henry,	<i>Shurtleff College.</i>	<i>Delavan, Wis.</i>	346, 56th st.
Barnard, Alice Sarah,	<i>University of Illinois.</i>	<i>Chicago.</i>	2018 Tracy av.
Barnes, Maude Eleanor,	<i>Decatur High School.</i>	<i>Englewood.</i>	6108 Stewart av.
Bates, Fanny.	<i>Mrs. Outhbert's Ladies' Seminary.</i>	<i>Dardenne, Mo.</i>	538 E. 46th st.
Bean, Myra Irene,	<i>Lyndon Institute.</i>	<i>Lyndon Center, Vt.</i>	42 F.
Beardsley, Anna Poole,	<i>Fem. High School, Baltimore.</i>	<i>Washington, Ark.</i>	5620 Ellis av.
Benson, Mary Estella	<i>University of Michigan.</i>		389, 57th st.
Black, Horace Webster,	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	3716 Wabash av.
Bowers, Abraham,	<i>Mt. Morris College.</i>	<i>St. Joseph.</i>	5747 Lexington av.
Braam, Jacob William,	<i>Chicago Institute of Technology.</i>	<i>Chicago.</i>	82 D.
Brookings, Lyle Winters,	<i>South Side School.</i>	<i>Du Quoin.</i>	39 Sn.
Bull, Florence,	<i>Racine Home School.</i>	<i>Racine, Wis.</i>	F.
Butterworth, Horace,	<i>Delaware College.</i>	<i>Chicago.</i>	537, 55th st.
Casteel, Mary Elizabeth,	<i>Geneseo Collegiate Institute.</i>	<i>Geneseo.</i>	588, 60th st.
Chafin, Frances,	<i>Whitewater Normal School, Wisconsin.</i>	<i>Chicago.</i>	5513 Washington av.
Chamberlin, William Harvey,	<i>Illinois State Normal University.</i>	<i>Chicago.</i>	3532 Vernon av.
Comstock, Louise Bates,	<i>Packer Institute, Brooklyn, N. Y.</i>	<i>Rochester, N. Y.</i>	221, 54th st.
Conrath, Mary Olive,	<i>Chautauqua University.</i>	<i>Lima, O.</i>	5533 Jackson av.
Crane, Frances,	<i>Chicago Women's Medical College.</i>	<i>Chicago.</i>	2541 Michigan av.
Credwson, Charles Newman,	<i>Auburn College.</i>	<i>Auburn, Ky.</i>	31 G
Darrow, Helen Kelchner,	<i>Private Instruction.</i>	<i>Chicago.</i>	6443 Grace st.
Davenport, Mary Daniels,	<i>Sioux Falls High School.</i>	<i>Council Bluffs, Ia.</i>	45 F.
Davis, Jessie Fell,	<i>Illinois State Normal University.</i>	<i>Bloomington.</i>	F.
Dickerson, Spencer Cornelius,	<i>Tillotson Institute, Austin.</i>	<i>Austin, Texas.</i>	3 Sn.
Dorman, Gertrude S.	<i>Maringo High School.</i>	<i>Burlington, Ia.</i>	5700 Jackson av.

THE QUARTERLY CALENDAR.

NAME.	SCHOOL OR INST ^R .	HOME ADDRESS.	PRESENT ADDRESS.
Engle, Alice Barker,	<i>Chicago High School.</i>	<i>Chicago.</i>	107, 44th st.
Faddis, Miriam Sarah,	<i>Wisconsin State Normal School.</i>	<i>Chicago.</i>	315, 40th st.
Fair, Newell Montague,	<i>Washburn College.</i>	<i>Mankato, Kans.</i>	52 Sn.
Favor, Adelaide Miles,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	1 Madison Park.
Ferguson, Idelette,	<i>Pennsylvania State Normal School.</i>	<i>Chicago.</i>	623, 55th st.
Fitzer, Levi Robert,	<i>Illinois State Normal University.</i>	<i>Belvidere.</i>	5490 Ellis av.
Fitzgerald, Ella Eugenia,	<i>Hardy School, Duluth.</i>	<i>Duluth, Minn.</i>	Kl.
Fulcomer, Anna,	<i>Indiana Normal University.</i>	<i>Ounalaska, Alaska.</i>	689 E. 57th st.
Gallion, Charles Horace,	<i>Illinois Wesleyan University.</i>	<i>St. Joseph.</i>	Hotel Barry.
Gauss, Julius Henry Philip,	<i>Chicago English High and Manual Training School.</i>	<i>Chicago.</i>	6047 Ellis av.
George, Abigail Matilda,	<i>Cedar Rapids High School, Iowa.</i>	<i>Chicago.</i>	5815 Madison av.
Gibbs, Caroline E.,	<i>Aurora Academy, E. Aurora, N. Y.</i>	<i>Greeley, Col.</i>	5614 Drexel av.
Glascocock, Hugh Grundy,	<i>Westminster Academy.</i>	<i>Paris, Mo.</i>	588 E. 60th st.
Goble, William Luther,	<i>Illinois State Normal University.</i>	<i>Westfield.</i>	5455 Monroe av.
Goodman, Grace,	<i>Chicago High School.</i>	<i>Chicago.</i>	3359 Indiana av.
Graham, Margaret,	<i>Manchester High School.</i>	<i>Strawberry Point, Ia.</i>	6048 Oglesby av.
Gray, Charlotte C.,	<i>College of Liberal Arts, Chautauqua.</i>	<i>Albany, N. Y.</i>	16 B.
Greene, Elizabeth Elma,	<i>Vanderbilt University.</i>	<i>Battle Creek, Mich.</i>	4321 Berkeley av.
Griffith, Fannie Elizabeth,	<i>Illinois Female College.</i>	<i>Mechanicsburg.</i>	713 E. 68th st.
Grote, Harriet,	<i>Wheaton High School.</i>	<i>Wheaton.</i>	12 B
Hales, Earl Crayton,	<i>The South Side School.</i>	<i>Chicago.</i>	640 W. 61st st.
Hall, James Samuel,	<i>Wake Forest College.</i>	<i>Norfolk, Va.</i>	24 Sn.
Hallingby, Ole,	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	5825 Kimbark av.
Halliwell, Alice Drake,	<i>Vassar College.</i>	<i>Chicago.</i>	6817 Perry av.
Hannan, Louise Mary,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5134 Grand Boul.
Hewitt, Herbert Edmund,	<i>Massachusetts Institute of Technology.</i>	<i>Chicago.</i>	5535 Lexington av.
Hill, Frederick William,	<i>Englewood High School.</i>	<i>Chicago.</i>	7100 Eggleston av.
Hubbard, Elizabeth Greenwood,	<i>Wellesley College.</i>	<i>Springfield, Mass.</i>	36 Kl.
Hubbard, Emma Frances,	<i>Winona State Normal.</i>	<i>Chicago.</i>	6128 Lexington av.
Hurlburt, David Guy,	<i>New Lyme Institute.</i>	<i>Hart's Grove, O.</i>	588, 60th st.
Jeffreys, Elizabeth,	<i>Oberlin College.</i>	<i>Hubbard, O.</i>	5718 Kimbark av.
Johnston, Lucy Marian,	<i>Mrs. Loring's School.</i>	<i>Chicago.</i>	6 Wellington pl.
Jones, Anna Allison,	<i>Zanesville High School.</i>	<i>Zanesville, O.</i>	The Colonies.
Jones, Richard Lloyd,	<i>University of Wisconsin.</i>	<i>Chicago.</i>	3939 Langley av.
Kelso, Wilber M.,	<i>Morgantown High School.</i>	<i>Morgantown, Ind.</i>	Hotel Barry.
Knott, Sarah Jane,	<i>College of Liberal Arts, Chautauqua.</i>	<i>New Brighton, Pa.</i>	389, 57th st.
Krackowizer, Alice Marie,	<i>Cook County Normal School.</i>	<i>New York City.</i>	6246 Madison av.
Kunz, Eda Flora,	<i>Erie High School.</i>	<i>Erie, Pa.</i>	3 Woodlawn Park.
Leonard, William Ezekiel,	<i>Corcoran Scientific School.</i>	<i>Correctionville, Ia.</i>	5496 Ellis av.
Levinson, Esther,	<i>Gymnasium, Romny, Russia.</i>	<i>Chicago.</i>	486 S. Union st.
Lynch, Catharine B.,	<i>Peoria High School.</i>	<i>Peoria.</i>	
Mason, Mary Elizabeth,	<i>Smith College.</i>	<i>Chicago.</i>	5854 Rosalie ct.
Matz, Evelyn,	<i>Chicago High School.</i>	<i>Chicago.</i>	B.
McKeen, James Johnston,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	3721 Lake av.
Merker, Margaret,	<i>Glendale Female College.</i>	<i>Louisville, Ky.</i>	5700 Jackson av.
Mitchell, Florence Louise,	<i>Maine Wesleyan College.</i>	<i>Englewood.</i>	5718 Kimbark av.
Morey, Frances Amelia,	<i>Purdue University.</i>	<i>Chicago.</i>	5554 Monroe av.
Mulford, Herbert Burnett,	<i>Private Study.</i>	<i>Chicago.</i>	4324 Langley av.
Munson, Sarah,	<i>MacDonald Ellis School (D. C.)</i>	<i>Zanesville, O.</i>	301, 56th st.
Otis, Marion Louise.	<i>Kirkland School, Chicago.</i>	<i>Chicago.</i>	294 Huron st.
Paddock, Catherine Dix,	<i>North Division High School.</i>	<i>Chicago.</i>	5451 Cornell av.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Palmer, Henry Augustus,	<i>Indianapolis High School.</i>	<i>Indianapolis, Ind.</i>	578, 60th st.
Parker, Mary,	<i>University of Indiana.</i>	<i>Louisville, Ky.</i>	B.
Perkins, Janet Russell,	<i>University of Wisconsin.</i>	<i>Chicago.</i>	1815 Indiana av.
Pierce, Florence Leona,	<i>Creston High School.</i>	<i>Chicago.</i>	4225 Vincennes av.
Prior, Joseph,	<i>Armour Institute.</i>		5847 State st.
Ramsdell, Lillian Lovina,	<i>Farming Normal School.</i>	<i>Milo, Me.</i>	5496 Ellis av.
Rew, Harriett Campbell,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4536 Lake av.
Rice, Elbridge Washburn,	<i>Pontiac High School.</i>	<i>Pontiac.</i>	6124 Wharton av.
Riggs, Wilfred,	<i>State Normal, Kirksville, Mo.</i>	<i>Unionville, Wis.</i>	5711 Ingleside av.
Riordan, Edward Joseph,	<i>Sault Ste. Marie High School.</i>	<i>Chicago.</i>	815 Noble st.
Roggy, Elizabeth,	<i>Miss Hutchinson's School.</i>	<i>Princeton.</i>	5509 Washington av.
Rowan, Jean Morton,	<i>Michigan State Normal School.</i>	<i>Almont, Mich.</i>	5620 Ellis av.
Sawyer, George Hoyt,	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	43 Sn.
Scott, Walter Armitage,	<i>Armour Institute.</i>	<i>Chicago.</i>	914 Monroe st.
Shallies, Guy Wheeler,	<i>Buffalo Normal School.</i>	<i>Arcade, N. Y.</i>	35 Sn.
Shibley, Mary Capitola,	<i>Northwestern University.</i>	<i>Chicago.</i>	6128 Lexington av.
Smith, Sarah Elizabeth,	<i>East Aurora High School.</i>	<i>Aurora.</i>	6047 Ellis av.
Stahl, Martha,	<i>Simpson College.</i>	<i>Diagonal, Ia.</i>	5724 Drexel av.
Stanton, Edna Augusta,	<i>Miss Kirkland's School.</i>	<i>Chicago.</i>	Highland Park.
Steed, Susie,	<i>Wesleyan College.</i>	<i>Macon, Ga.</i>	32 Kl.
Steinwedel, William Ernest,	<i>University of Illinois.</i>	<i>Quincy.</i>	5712 Monroe av.
Stephens, Louise Brier,	<i>Bryn Mawr College.</i>	<i>Chicago.</i>	2713 Prairie av.
Stone, Eliza Atkins,	<i>Northwestern University.</i>	<i>Evanston.</i>	B.
Stratton, Lucy Hamilton,	<i>Northwestern Preparatory School.</i>	<i>Pasadena, Cal.</i>	5717 Madison av.
Stuart, Mary Louise,	<i>South Division High School.</i>	<i>Chicago.</i>	309, 32d st.
Stuart, Mary Victoria,	<i>Oakland High School.</i>	<i>San Francisco, Cal.</i>	6127 Ellis av.
Stuckrath, Justus Henry,	<i>Iowa State Normal School.</i>	<i>Osage, Ia.</i>	5739 Kimbark av.
Sturges, Mrs. Helen,	<i>Gannett Institute (Mass.).</i>	<i>Chicago.</i>	The Colonies.
Sturges, Lily Benton,	<i>Dearborn Seminary.</i>	<i>Chicago.</i>	2917 Prairie av.
Swett, Mary Chase,	<i>Cook County Normal School.</i>	<i>Chicago.</i>	5006 Washington av.
Thornton, Lee D.,	<i>Morgan Park Academy.</i>	<i>Otsego, Mich.</i>	5714 Kimbark av.
Tryon, Nettie Adell,	<i>High School, Saline, Michigan.</i>	<i>Dowagiac, Mich.</i>	5614 Drexel av.
Vesey, Rena Alice,	<i>Northwestern University.</i>	<i>Chicago.</i>	6228 Wabash av.
Watt, Clarence Herbert,	<i>Illinois State Normal University.</i>		304 E. 41st st.
Welch, Kate Allison,	<i>Public Schools, New Brunswick, N. J.</i>	<i>Woodbury, N. J.</i>	5533 Jackson av.
Weston, Herbert Mantor,	<i>Chicago Academy.</i>	<i>Chicago.</i>	111 Warren av.
White, Minnie,	<i>Tarkio College.</i>	<i>Cherokee, Ia.</i>	5558 Lexington av.
Wieland, Otto,	<i>Proseminary (Elmhurst).</i>	<i>Duluth, Minn.</i>	37 Sn.
Wilmarth, Anna Hawes,	<i>Miss Herrig's School.</i>	<i>Chicago.</i>	Auditorium.
Wilson, William Otis,	<i>Western Normal College.</i>	<i>Bushnell.</i>	45 Sn.
Wilson, William Tilton,	<i>Northern Indiana Normal School.</i>	<i>Chicago.</i>	5733 Ingleside av.
Yeomans, Elizabeth,	<i>Clifton Ladies College, England.</i>	<i>Stretton Court,</i>	6 Kl.
		<i>Hereford, England.</i>	
Young, Gertrude Mary,	<i>Manor Mount Collegiate School, Forest Hill, London.</i>	<i>Omaha, Neb.</i>	F.

TOTAL, 129.

SUMMARY.

THE GRADUATE SCHOOL.

The Graduate School of Arts and Literature,	-	-	-	-	-	-	-	189	
The Ogden (Graduate) School of Science,	-	-	-	-	-	-	-	95	
The Non-resident Graduate Students,	-	-	-	-	-	-	-	24	
								<hr/>	308

THE DIVINITY SCHOOL.

The Graduate Divinity School,	-	-	-	-	-	-	-	115	
The English Theological Seminary,	-	-	-	-	-	-	-	35	
The Dano-Norwegian Theological Seminary,	-	-	-	-	-	-	-	26	
The Swedish Theological Seminary,	-	-	-	-	-	-	-	36	
								<hr/>	212

THE COLLEGES.

The University Colleges,	-	-	-	-	-	-	-	80	
The Academic Colleges,	-	-	-	-	-	-	-	309	
The Unclassified Students,	-	-	-	-	-	-	-	129	
								<hr/>	518

Deduct names repeated	-	-	-	-	-	-	-		1038
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TOTAL	-	-							<hr/> 1029
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CONSTITUENCY OF CLASSES, WINTER QUARTER, 1895.

REMARKS: 1. The numbers of departments and courses correspond, in general, to those of the ANNUAL REGISTER and CALENDAR No. 11, in the University proper, and in the Divinity School.

2. All classes recite in Cobb Lecture Hall, unless otherwise stated. The four floors of this building are lettered, the first being A, and the rooms numbered.

3. Abbreviations: *K*=Kent Chemical Laboratory; *R*=Ryerson Physical Laboratory; *W*=Walker Museum; *g*=Graduate Student; *u*=University College Student; *a*=Academic College Student; *d*=Divinity Student. Where not otherwise designated, the student is unclassified.

4. The women students are indicated by a dash (—) placed before the name.

5. Numerals in parentheses at the end of each list indicate the number of students taking the course.

6. In nearly all cases recitations occur every week-day except Monday. The hours of recitations can be ascertained at the University, in the Registrar's office.

THE SCHOOLS OF ARTS, LITERATURE, AND SCIENCE.

I. PHILOSOPHY.

(Students, 130; course registrations, 151.)

General History of Philosophy. DM. (4)

ASSOCIATE PROFESSOR TUFTS.

—Allen, <i>g</i>	Henderson, <i>u</i>	—Otis,
—Bell, <i>a</i>	Jone, <i>g</i>	—Rowan,
Breed, <i>d</i>	Leiser, <i>u</i>	Squires, <i>g</i>
—Burnham, <i>g</i>	—Love, <i>g</i>	—Stanton,
Carpenter, <i>u</i>	—MacCracken, <i>g</i>	—Strawn, <i>u</i>
—Clark, F. B., <i>u</i>	—Marot, <i>g</i>	Tanaka, <i>g</i>
Curtis, <i>u</i>	—Mitchell,	—Walker, <i>g</i>
→Forrest, <i>g</i>	Oeschger, <i>u</i>	—Welch, <i>g</i> (25)
—Gilpatrick, <i>u</i>		

Seminar in English Philosophy. DM. (6)

ASSOCIATE PROFESSOR TUFTS.

—Allen, <i>g</i>	Moore, <i>g</i>	Smith, <i>g</i>
Ames, <i>g</i>	Radebaugh, <i>g</i>	Stuart, <i>g</i>
Carr, <i>g</i>	Schoolcraft, <i>g</i>	Whitehead, <i>g</i> (11)
—Hutchinson, <i>g</i>	Sisson, <i>g</i>	

Philosophical German. (7)

(Voluntary Course, with Course 6.)

ASSOCIATE PROFESSOR TUFTS.

Ames, <i>g</i>	Schoolcraft, <i>g</i>	Tanner, <i>g</i>
Milligan, <i>g</i>	Sisson, <i>g</i>	Tompkins, <i>g</i>
Moore, <i>g</i>	—Stuart,	Whitehead, <i>g</i> (9)

Psychology. DM. (2) Section a.

ASSISTANT PROFESSOR ANGELL.

—Agerter, <i>u</i>	Johnson, R., <i>u</i>	Russell, <i>a</i>
Allen, <i>a</i>	—Jones, A., <i>a</i>	Sampson, <i>a</i>
—Beatty, <i>u</i>	—Jones, N., <i>u</i>	Sherman, <i>a</i>
Braam,	—Kellogg, <i>u</i>	—Sherwin, <i>u</i>
Brown, E., <i>a</i>	Kruse, <i>g</i>	—Stanton, <i>g</i>
—Brown, L., <i>u</i>	—Lewis, <i>u</i>	Stewart,
—Coolidge, <i>a</i>	—Lewis, S., <i>u</i>	Stone, H., <i>u</i>
Dudley, <i>u</i>	Lipaky, <i>a</i>	Taylor, T., <i>g</i>
—Favor,	—Luttrell, <i>u</i>	—Van Vliet, <i>u</i>
Fitzer,	Mathews, <i>u</i>	Wales, <i>a</i>
—Gettys, <i>u</i>	—Messick, <i>a</i>	Whyte, <i>a</i>
—Halliwell,	Milligan,	Wilson, W. O., <i>d</i>
Hill,	—Nesbit, <i>g</i>	Woods, <i>u</i>
Hobart, <i>u</i>	Patchell, <i>d</i>	—Williston, <i>u</i> (44)
Jackson <i>a</i>	—Pierce, <i>u</i>	

Psychology. DM. (2) Section b.

ASSISTANT PROFESSOR ANGELL.

Abell,	Gale, <i>u</i>	Moffatt, <i>u</i>
—Baker, G., <i>a</i>	—Haft, <i>u</i>	—Morey,
—Ballou,	—Hale, <i>a</i>	—Morgan, M., <i>a</i>
Barnard, <i>a</i>	Hancock, <i>a</i>	—Packer, <i>u</i>
Boomer, J., <i>u</i>	—Hay, <i>u</i>	Rice, E.,
—Burnham, <i>g</i>	Henderson, H., <i>a</i>	—Robinson, <i>u</i>
Clark, H. T., <i>a</i>	Hulshart, <i>u</i>	Sass, <i>u</i>
—Cook, A., <i>u</i>	—Janss, <i>a</i>	—Schwarz, <i>a</i>
Ebersole, <i>a</i>	—Klock, <i>u</i>	—Schoval, <i>u</i>
Everitt, E., <i>g</i>	Lingle, <i>a</i>	Smith, K., <i>a</i>
Fish, <i>a</i>	—Maynard, <i>a</i>	—Stuart,
Friedman, J. C., <i>a</i>	McKinley, <i>a</i>	Sweet, <i>g</i>
—Furness, <i>u</i>	Mitchell, <i>a</i>	Williams, <i>u</i> (39)

Experimental Psychology. Training Course.

DM. (19)

ASSISTANT PROFESSOR ANGELL.

—Aber,	Radebaugh, <i>g</i>	—Tanner, <i>g</i>
Campbell, <i>g</i>	Schoolcraft, <i>g</i>	Whitehead, <i>g</i> (8)
—Clark, <i>u</i>	Tanaka, <i>g</i>	

Experimental Psychology. Research Course.

DM. (20)

ASSISTANT PROFESSOR ANGELL.

McLennan, <i>g</i>	Moore, <i>g</i> (2)
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Comparative Psychology. DM. (21)

ASSISTANT PROFESSOR MEAD.

—Aber,	—Schoval, <i>u</i>	—Welch, <i>g</i> (5)
Moore, <i>u</i>	Thomas, <i>g</i>	

Methodology of Psychology. DM. (22)

ASSISTANT PROFESSOR MEAD.

—Aber,	Moore, <i>g</i>	Tanaka, <i>g</i>
—Hutchinson, <i>g</i>	Radebaugh, <i>g</i>	Tanner, <i>g</i> (8)
McLennan, <i>g</i>	Smith, <i>g</i>	

II. POLITICAL ECONOMY.

(Students, 71; course registrations, 93.)

Economic Seminar. DM. (21)

HEAD PROFESSOR LAUGHLIN.

Harding, <i>g</i>	Hoxie, <i>g</i>	Willis, <i>g</i>
—Hardy, <i>g</i>	Million, <i>g</i>	Winston, <i>g</i> (6)

Money and Practical Economics. DM. (9)

HEAD PROFESSOR LAUGHLIN.

Barrett, D. C., <i>g</i>	Noyes, <i>g</i>	Stuart, <i>g</i>
Calvert, <i>g</i>	Robertson, <i>g</i>	Tunell, <i>g</i>
—Montgomery, <i>g</i>	Rosseter, <i>g</i>	Williams, <i>u</i>

(9)

Advanced Statistics. DM. (11)

(Course withdrawn.)

DR. HOURWICH.

Advanced Political Economy. DM. (1a)

PROFESSOR MILLER.

Alschuler, <i>a</i>	Greenbaum, <i>a</i>	Lewis, <i>u</i>
Arnold, <i>u</i>	Hughes, <i>u</i>	McClintock, <i>u</i>
Carpenter, <i>u</i>	Jones, <i>g</i>	Oeschger, <i>u</i>
Dornisfe, <i>a</i>	Jordon, <i>a</i>	Robertson, <i>g</i>
Edmonson, <i>u</i>	Karpen, <i>u</i>	Rosseter, <i>g</i>
Friedman, J., <i>a</i>	Kelso, <i>a</i>	Stevens, <i>a</i>
Gallion, <i>g</i>	Kern, <i>a</i>	Stone, <i>u</i>
Gleason, <i>a</i>	—Levinson,	Whitaker, <i>g</i>

(24)

III. POLITICAL SCIENCE.

(Students, 55; course registrations, 77.)

Comparative Politics. American State Government.

DM. (12)

HEAD PROFESSOR JUDSON.

—Ball, <i>g</i>	Heim, <i>g</i>	Page, <i>g</i>
Barnard, <i>a</i>	Hughes, <i>u</i>	—Scofield, <i>g</i>
—Benson, <i>g</i>	Karpen, <i>u</i>	—Scott, <i>g</i>
—Daniels, <i>g</i>	—Montgomery, <i>g</i>	Squire, <i>g</i>
Davis, <i>g</i>	Noyes, <i>g</i>	—Strawn, <i>u</i>

(15)

Economic and Social History. DM. (2)

PROFESSOR A. C. MILLER.

—Ball, <i>g</i>	—Hardy, <i>g</i>	Mitchell, <i>a</i>
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(4)

International Law. The Law of War. DM. (22)

HEAD PROFESSOR JUDSON.

Alden, <i>g</i>	—Glover, <i>g</i>	Karpen, <i>u</i>
Caraway, <i>u</i>	Harding, <i>g</i>	Paterson, <i>u</i>
—Daniels, <i>g</i>	Hastings, <i>g</i>	Roose, <i>u</i>
Edmondson, <i>u</i>	Howard, <i>u</i>	—Squire, <i>g</i>
Fertig, <i>g</i>	Hughes, <i>u</i>	Wilson, W. O., <i>g</i>

(15)

Seminar in Finance. DM. (20)

PROFESSOR A. C. MILLER.

Harding, <i>g</i>	Tunell, <i>g</i>	Willis, <i>g</i>
—Hardy, <i>g</i>	Whitaker, <i>g</i>	Winston, <i>g</i>

(7)

Special Research.

HEAD PROFESSOR JUDSON.

—Tunnicliff, H., *g***Railway Transportation. DM. (12)**

(Course withdrawn.)

MR. HILL.

Institutes of Roman Law. DM. (32)

DR. FREUND.

Barnard, <i>a</i>	Howard, <i>u</i>	—Tunnicliff, <i>g</i>	(5)
Dorman, <i>g</i>	Johnson, <i>u</i>		

(5)

Descriptive Political Economy. DM. (1B)

MR. CLOSSON.

Atwood, <i>a</i>	Hoebeke, <i>u</i>	Macomber, <i>a</i>
Caraway, <i>u</i>	Howard, <i>u</i>	—Moore, C., <i>a</i>
Chace, <i>u</i>	—Hutchings, <i>a</i>	Palmer, <i>g</i>
—Freeman, Mar., <i>a</i>	Hyman, <i>a</i>	—Rogers, <i>g</i>
—George, <i>g</i>	—Jackson, C., <i>a</i>	Sherman, <i>a</i>
—Graves, <i>a</i>	Johnson, F., <i>u</i>	Stewart, <i>g</i>
—Graves, L., <i>a</i>	—Jones, N., <i>u</i>	—Stuart, <i>g</i>
—Hamilton, <i>a</i>	Leonard, <i>g</i>	—Williston, <i>u</i>
Heil, <i>u</i>	Livingston, <i>a</i>	Woods, <i>u</i>

(27)

Administrative Law. DM. (51)

DR. FREUND.

—Barton, <i>g</i>	Dorman, <i>g</i>	Roose, <i>u</i>
Barnard, <i>a</i>	—Fogg, <i>a</i>	—Scott, <i>g</i>
Bassett, <i>a</i>	Heim, <i>g</i>	—Tunnicliff, H., <i>g</i>
—Benson, <i>g</i>	Hill, <i>g</i>	Voigt, <i>u</i>
Calvert, <i>g</i>	Moran, <i>g</i>	Wilson, W. O., <i>g</i>
Carroll, <i>a</i>	Rice, <i>g</i>	—Wood, <i>g</i>

(18)

Scope and Method of Political Economy. DM. (3)

MR. CLOSSON.

Barrett, D. C., <i>g</i>	Harding, <i>g</i>	Monroe, <i>g</i>
Calvert, <i>g</i>	Jude, <i>g</i>	Robertson, <i>g</i>
Forrest, <i>g</i>	—Levinson,	Rosseter, <i>g</i>
Franklin, <i>g</i>	Million, <i>g</i>	Stuart, <i>g</i>

(12)

Geography of Europe. Repeated. DM. (71)

MR. CONGER.

Campbell, <i>u</i>	Grant, <i>g</i>	Pooley, <i>a</i>	
—Crandall, <i>g</i>	—Hay, <i>u</i>	Thornton,	
Curtis, <i>u</i>	Kern, <i>a</i>	Waterbury, <i>a</i>	
Flint, <i>a</i>	McKeen,	Watt,	(13)
Frutohey, <i>a</i>			

(13)

Socialism. DM. (7)

DR. VEBLEN.

Hoebeke, <i>u</i>	Million, <i>g</i>	Winston, <i>g</i>
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(4)

The Physical, Historical, and Political Geography of South and Central America. DM. (73)

MR. CONGER.

Dibell, <i>a</i>	Eastman, <i>u</i>	Hessler, <i>g</i>
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(3)

IV. HISTORY.

(Students, 196; course registrations, 244.)

The History of Europe in the XIX. Century from 1815 (continued). DM. (40)

HEAD PROFESSOR VON HOLST.

—Adams, J.	—Gilpatrick, u	Pike, a
—Adams, V., a	—Glover, g	—Pratt, g
Alden, g	—Hardy, g	—Pierce, L., u
—Atwater, g	Harris, g	Robertson, g
—Baldwin, A., a	Hastings, g	Rullkoetter, g
Baldwin, J., g	—Helmer, g	Schoolcraft, g
—Ball, F., g	Hobart, u	—Squire, g
Clarke, H. T., a	Hoxie, g	—Strawn, u
—Crandall, g	Jude, g	Thompson, g
—Daniels, g	Learned, g	Todd, u
Davis, W., g	MacLean, g	—Van Vliet, u
Dorman, g	Mauntel, g	Willis, g
—Durbin, g	—Mats, g	Winston, g
Eastman, u	—McCasky, H., g	—Wolcott, g
Fertig, g	Million, g	Wood, H., g
Franklin, g	Page, g	Wyckoff, g (48)

Seminar: American or Modern European History (continued). DM. (53)

HEAD PROFESSOR VON HOLST.

—Adams, V., a	Fertig, g	Learned, g
Alden, g	Franklin, g	Page, g
—Crandall, R., g	—Glover, Ethel, g	—Squire, g
—Daniels, L., g	Hastings, g	—Willard, g
Davis, W., g	—Helmer, g	—Wolcott, g (16)
Dorman, g		

Seminar: English History (continued). The Early Angevin Period. DM. (50)

PROFESSOR TERRY.

Baldwin, g	—McCasky, g	Thompson, J., g
—Knox, g	Rullkoetter, g	Whittaker, g (8)
MacLean, g	—Scofield, g	

The Feudal Period (continued). Feudal France. DM. (29)

PROFESSOR TERRY.

—Adams, J.,	—Gilpatrick, u	Noyes, g
—Adams, V., a	Goldberg, a,	Robertson, g
—Atwater, g	Harris, g	—Rogers, g
Baldwin, g	Heim, g	Rosseter, g
—Ball, F., g	Hessler, g	Rullkoetter, g
—Barton, g	—Knox, g	Thompson, g
—Boomer, u	Looney, a	Whitaker, g
—Crandall, g	—MacLean, g	Winston, a
Fertig, g	MacLean, g	—Wolcott, g
Franklin, g	Mauntel, g	Wyckoff, g (30)

The History of Israel (continued). The History of the Hebrew Monarchy. DM. (9)

ASSOCIATE PROFESSOR GOODSPEED.

(See Dept. of Semitics, Course No. 32.)

The Mediæval Period (repeated). DM. (1) Section A.

ASSOCIATE PROFESSOR THATCHER.

—Austrian, D.,	Hoyt, a	—Rice, a
Brown, E., a	Janssen, a	—Scott, L., a
—Butler, E., a	Jones, R. L.,	—Seavey, a
Evans, a	—Lenington, a	Smith, H., a
Flanders, a	—Loesch, a	Snite, a
Flint, a	Logie, u	—Teller, C., a
Freeman, a	Mandeville, a	—Thompson, a
—Freeman, a	Meloy, a	Walling, a
Grote, a	Merrifield, a	—Werkmeister, a
—Guthrie, a	—Messick, a	Woods, a
Harris, a	Pershing, a	Wooley, a (35)
Hill, a	Raycroft, u	

The Mediæval Period (repeated). DM. (1) Section B.

MR. CONGER.

—Anderson, S. B., a	Ebersole, Amos, a	Mulford, a
Brookings, a	Gause, a	Smith, H., a (8)
Campbell, a	Graves, R, a	

The Modern Period (repeated). DM. (2) Section A.

MR. CONGER.

—Ball, F., a	—Ferguson, a	Linn, a
—Ball, H., a	—Frazier, a	Minnick, a
Black, a	—Goldsmith, a	Peabody, a
Chollar, u	Graves, R., a	Randall, a
Coy, a	—Hewitt, H. E., a	Simpson, B., a
Curtis, u	Kern, a	—Skillin, a
Ebersole, u	Lackner, a	Trumbull, a
Edmonson, u	Law, a	—Werkmeister, a (26)
Enelow, a	Lester, I., a	

The History of Ancient Greece (continued). The Age of Pericles. DM. (17)

DR. WIRTH.

(Course withdrawn.)

The Modern Period. DM. (2) Section B.

MR. CATTERALL.

Abernethy, a	—Johnston, a	—Pierce, F.,
—Apps, a	—Kane, u	—Piper, a
Beach, a	—Keen, E., a	Riordan, a
—Bean, a	Kienle, a	Russell, a
Breedon, a	Lackner, a	Salinger, a
Burns, a	Linn, a	Sawyer, a
Bushnell, a	—Moore, a	Shutterly, a
Coy, a	Mosser, a	Sincere, a
—Currier, a	—Nesbit, g	Steigmeyer, a
Deffenbaugh, a	Palmer, a	—Stephens, a
—Fish, L., a	Patterson, T., a	—Stuart, a
—Harding, a	Payne, a	—Sweet, a
—Hutchings, a	—Pelroe, a	—Thompson, H., a
Hyman, a	Peterson, a	—Winston, A., a (43)
—Ide, a		

The Protestant Reformation and the Religious Wars.

DM. (4)

—Anderson, E., *a*
 Bachman, *a*
 —Baker, *a*
 Baldwin,
 —Beatty, *u*
 —Bennett, *a*
 Brandt, *u*
 Campbell, *a*
 Coleman, *a*
 —Cosgrove, *a*

—Crookham,
 Dibell, *a*
 Drew, *a*
 —Ferguson,
 —Haft, *u*
 —Hale, B., *a*
 —Hannan,
 Harris, N., *g*
 Hoxie, *g*
 —Hurlbut, *a*

MR. CATTERALL.

Jude, *g*
 —Maynard, *u*
 —McClintock, *a*
 McNeal, *a*
 —Pratt, A., *g*
 —Reddy, *a*
 —Robinson, I., *u*
 Sampsell, *a*
 —Scovel, *u*
 —Walls, *a* (30)

Social Conditions in American Rural Life. M. 1st

Term. (31)

ASSOCIATE PROFESSOR HENDERSON.

Brown, <i>a</i>	Myhrman, <i>d</i>	Steelman, <i>d</i>
Gill, <i>d</i>	Putnam, <i>g</i>	Stewart,
Hatch, <i>d</i>	Rhapetock, <i>d</i>	—Thompson, T., <i>d</i>
Hobbs, <i>d</i>	Robinson, <i>d</i>	Whyte, <i>a</i>
Hughes, <i>d</i>	Smith, <i>d</i>	Williams, <i>a</i> (16)
Jackson, <i>d</i>		

Economical and Government Agencies for Advancement of General Welfare. M. 1st Term. (32)

ASSOCIATE PROFESSOR HENDERSON.

Eastman, <i>u</i>	—Starr, <i>g</i>	Thornton,
Matzinger, <i>d</i>	Sweet, <i>g</i>	Vreeland, <i>d</i> (7)
Read, <i>d</i>		

Modern Cities and Cooperation of their Beneficent Forces. M. 2d Term. (33)

ASSOCIATE PROFESSOR HENDERSON.

Browne, <i>a</i>	Myhrman, <i>d</i>	Whyte, <i>a</i>
Eaton, <i>d</i>	Schlosser, <i>d</i>	Williams, <i>a</i> (6)

Social Treatment of Dependents and Defectives. M (or MM). 2d Term. (16)

ASSOCIATE PROFESSOR HENDERSON.

Dexter, <i>d</i>	Hubbard, <i>a</i>	—Thompson, <i>d</i>
Eastman, <i>u</i>	Hughes, <i>d</i>	Vreeland, <i>d</i>
Gale, <i>u</i>	Johnson, <i>a</i>	Williams, <i>a</i>
Gill, <i>d</i>	Matzinger, <i>d</i>	Wright, <i>a</i> (14)
Hobart, <i>u</i>	Read, <i>d</i>	

Seminar in Sanitary Science. DM. (10)

ASSISTANT PROFESSOR TALBOT.

Clark, *g* (1)**Sanitary Aspects of Water, Food, and Clothing.**

DM. (12) ASSISTANT PROFESSOR TALBOT.

—Chafin,	—Packer, <i>u</i>	Yeomans, (4)
Osgood, <i>u</i>		

Laboratory Work in Anthropology. DM. (1)

ASSISTANT PROFESSOR STARR.

(Course withdrawn.)

Physical Anthropology. Laboratory Work. DM. (2)

ASSISTANT PROFESSOR STARR.

Campbell, <i>g</i>	Miller, <i>g</i>	Thomas, <i>g</i> (4)
—Fulcomer,		

Ethnology. DMM and DM. (5)

ASSISTANT PROFESSOR STARR.

Dunn, <i>g</i>	Morgan, T., <i>u</i>	—Shreve, <i>a</i>
—Fulcomer,	—Noble, <i>a</i>	Stutsman, <i>g</i> (8)
Matzinger, <i>d</i>	Raymond, <i>g</i>	

The Settlement Movement and Similar Methods of Amelioration. M (or MM). 1st Term. (39)

DR. M. WEST.

(Course withdrawn.)

The Origin and Evolution of Society. M. 2d Term.

(40)

DR. M. WEST.

Forrest, *g* Wyant, *d* (2)**V. ARCHÆOLOGY.**

(Students, 20; course registrations, 20.)

Introduction to Classical Archæology. DM. (1)

PROFESSOR TARBELL.

Atwater, C., <i>g</i>	—Furness, <i>u</i>	Mather, S., <i>g</i>
—Backus,	—Gettys, <i>u</i>	—Morgan, <i>a</i>
—Blaine, <i>g</i>	—Hosford, F., <i>g</i>	Owen, E., <i>g</i>
Brandt, <i>u</i>	—Hutchinson, J., <i>g</i>	—Payne, <i>g</i>
Chase, <i>g</i>	—Hutchinson, K., <i>g</i>	Sanford, <i>g</i>
Cobb, <i>g</i>	Jones, <i>g</i>	Washburn, <i>g</i> (20)
—Davis, J.,	—Kerr, <i>u</i>	

VI. SOCIOLOGY AND ANTHROPOLOGY.

(Students, 87; course registrations, 117.)

Social Anatomy, Physiology, and Psychology. DM.

(25)

HEAD PROFESSOR SMALL.

Anderson, <i>d</i>	—Favor,	Raymond, <i>g</i>
Dye, <i>d</i>	Forrest, <i>g</i>	Spooner, <i>d</i>
Dunn, <i>g</i>	—Luttrell, <i>u</i>	—Starr, <i>g</i>
Echlin, <i>g</i>	—Montgomery, <i>g</i>	Tompkins, <i>g</i>
Ewing, <i>d</i>	Moore, <i>g</i>	Wyant, <i>d</i> (15)

Problems of Social Statics. DM. (27)

HEAD PROFESSOR SMALL.

—Clark, <i>u</i>	Raymond, <i>g</i>	—Tanner, <i>g</i>
Forrest, <i>g</i>	Read, <i>d</i>	Thurston, <i>g</i>
Matzinger, <i>d</i>	—Starr, <i>g</i>	Young, <i>d</i> . (11)
Monroe, <i>g</i>	Stutsman, <i>g</i>	

Seminar: Problems of Social Dynamics. DM. (28)

HEAD PROFESSOR SMALL.

—Clark, <i>g</i>	Howerth, <i>g</i>	Thomas, <i>g</i>
—Davies, <i>g</i>	Raymond, <i>g</i>	Thurston, <i>g</i>
Fulcomer, <i>g</i>	Sanders, <i>g</i>	Vincent, <i>g</i>
Gow, <i>g</i>	Steelman, <i>d</i>	West, <i>g</i> (13)
Hastings, <i>g</i>		

Seminar: Organizations for Promoting Social Welfare. DM. (14)

ASSOCIATE PROFESSOR HENDERSON.

Braker, <i>d</i>	Lockhart, <i>d</i>	Steelman, <i>d</i>
Cressey, <i>d</i>	—Scott, <i>g</i>	Stutsman, <i>g</i> (7)
Fulcomer, <i>g</i>		

Contemporary Society in the United States. DM. (37)

MR. VINCENT.

—Agerter, u	Hopkins, u	—Runyon, a
Atwood, a	Johnson, a	Steelman, d
—Foster, u	—Purcell, u	Woods, u

(9)

The Historical Sociologies. DM. (30)

DR. THOMAS.

(Course withdrawn.)

VII. COMPARATIVE RELIGION.

(Students, 10; course registration, 10.)

The Hebrew Religion. DM. (2) (also VIII-50).

ASSOCIATE PROFESSOR GOODSPEED.

Beyl, d	Goldberg, a	Lemon, d
Brewster, d	Haigazian, d	—Marot, g
Coffin, g	Leiser, u	Sherman, a

(10)

VIII. SEMITIC LANGUAGES AND LITERATURES.

(Students, 47; course registration, 82.)

Early Old Testament Traditions. DM. (47)

HEAD PROFESSOR HARPER.

Baird, d	Frantz, d	Mebane, d
Borden, d	—Gray, g	Murray, d
—Breyfogle, u	Haigazian, d	Rapp, d
Davidson, d	Jones, d	Sayrs, d
Ewing, d	Lisk, d	Sherman, g
Farr, d	Logan, d	Williams, d

(18)

Arabic History, Geography, and Commentary. DM. (91)

HEAD PROFESSOR HARPER.

Baird, d	Jones, H., d	—Mendenhall, g
Farr, d	—Knox, g	Rapp, d
—Gray, g	Logan, d	Sherman, g
Jaffa, g	Mebane, d	

(11)

Talmud. M. 1st Term. (57)

PROFESSOR HIRSCH.

(Course withdrawn.)

Selected Readings from Arabic Authors.

PROFESSOR HIRSCH.

(Course withdrawn.)

Advanced Syriac. DM. (69)

PROFESSOR HIRSCH.

Baird, d	Jones, d	Mebane, d
Howard, d		

(4)

Special Introduction to Hebrew Poetry and Poetical Books. M. 1st Term.

ASSOCIATE PROFESSOR PRICE.

Coon, d	Stairs, d	Varney, d
Leiser, u		

(4)

Messianic Prophecy. DM. (40)

ASSOCIATE PROFESSOR PRICE.

Beyl, d	Farr, d	Patrick, d
—Breyfogle, u	Fisk, d	Starkweather, d
Case, d	Joseph, d	Wright, d
Chalmers, d		

(10)

Biblical Aramaic. M. 2d Term. (66)

ASSOCIATE PROFESSOR PRICE.

Coon, d	Leiser, u	Varney, d
Farr, d		

(4)

Hebrew Lexicography (Seminar). DM. (96)

ASSOCIATE PROFESSOR PRICE.

(Course withdrawn.)

History of the Hebrew Monarchy. DM. (32)

ASSOCIATE PROFESSOR GOODSPEED.

—Breyfogle, u	Guard, d	—Mendenhall, g
—Chafin, g	Mauntel, g	Oeschger, u
—Gray, g		

(7)

History of the Hebrew Religion. DM. (50)

ASSOCIATE PROFESSOR GOODSPEED.

(See Comparative Religion, Course No. 2.)

Selected Assyrian Historical Inscriptions. DM. (75)

ASSOCIATE PROFESSOR HARPER.

Haigazian, d	Jones, g	Rapp, d
Howard, d	Mebane, d	Walker, g
Jaffa, d		

(7)

Semitic Seminar. DM. (102)

ASSOCIATE PROFESSOR HARPER.

Berry, d	Jaffa, g	Walker, g
Howard, d		

(4)

Deuteronomy—Sight Reading. 1st Term. ½ M. (8)

DR. CRANDALL.

Frantz, d	Stairs, d	Varney, d
Sherman, g		

(4)

Jeremiah—Sight Reading. 2d Term. ½ M. (14)

DR. CRANDALL.

Frantz, d	Stairs, d	Varney, d
Sherman, g		

(4)

Hebrew Syntax. Special. DM.

DR. CRANDALL.

Criswell, d	Hanson, d	Stairs, d
Fletcher, d	Kingale, d	Williams, d
Fox, d	Meigs, d	Wright, d

(9)

IX. BIBLICAL AND PATRISTIC GREEK.

(Students, 68; course registrations, 96.)

New Testament Greek. DM. (1)

HEAD PROFESSOR BURTON.

Anderson, O., d	Hobbs, d	Newcomb, d
Anderson, J., d	Higgins, u	Osgood, u
Bale, d	Jackson, d	Patrick, d
Behan, d	Jamison, d	Purinton, d
Beyl, J., d	Jones, A., d	Rhapetock, d
Breed, d	Jones, H., d	Smith, d
Bunyard, d	Kingale, d	Snow, d
Coggins, d	Kjellin, d	Spickler, d
Crawford, d	Meigs, d	Spooner, d
Cressey, d	—Mendenhall, A., g	Stark, d
Davidson, d	Morgan, d	Tustin, d
Haston, d	Murray, d	

(36)

Epistle to the Romans. DM. (33)**HEAD PROFESSOR BURTON.**

Aitchison, <i>d</i>	Goodspeed, <i>g</i>	Stair, <i>d</i>
Atchley, <i>d</i>	Lisk, <i>d</i>	Varney, <i>d</i>
Chapin, <i>d</i>	Logan, <i>d</i>	Watson, <i>d</i>
Coon, <i>d</i>	Sayre, <i>d</i>	Woodruff, <i>d</i>
Goodman, <i>d</i>		(13)

Epistle to the Galatians. M. 2d Term. (31).**HEAD PROFESSOR BURTON.**

Chapin, <i>d</i>	Fish, <i>d</i>	Hurley, <i>d</i>
Coon, <i>d</i>	Goodman, <i>d</i>	Varney, <i>d</i>
Dye, <i>d</i>	Herrick, <i>d</i>	(8)

Historical Study of the Life of Christ. DM. (12)**ASSOCIATE PROFESSOR MATHEWS.**

Allen, C., <i>d</i>	Dickerson, <i>d</i>	Shoemaker, <i>d</i>
Anderson, <i>d</i>	Henry, <i>d</i>	Smith, <i>d</i>
Anderson, J., <i>d</i>	Hobbs, <i>d</i>	Snow, <i>d</i>
Behan, <i>d</i>	Jackson, <i>d</i>	Spooner, <i>d</i>
Beyl, <i>d</i>	Jordan, <i>d</i>	Tustin, <i>d</i>
Braker, <i>d</i>	Morgan, <i>d</i>	Watson, <i>d</i>
Bruce, <i>d</i>	Newcomb, <i>d</i>	Wilkin, <i>d</i>
Bunyard, <i>d</i>	Patchell, <i>d</i>	Williams, <i>d</i>
Case, <i>d</i>	Purinton, <i>d</i>	Wood, <i>d</i>
Coggins, <i>d</i>	Rhapstock, <i>d</i>	Young, <i>d</i>
Davidson, <i>d</i>		(31)

Gospel of Luke. DM. (27)**ASSOCIATE PROFESSOR MATHEWS.**

Borden, <i>d</i>	Lake, <i>d</i>	Milligan, <i>d</i>
Breed, <i>d</i>	Lisk, <i>d</i>	Stark, <i>d</i>
Ewing, <i>d</i>		(7)

Septuagint. Rapid Reading of Selected Portions. DM. (44)**DR. ARNOLT.**

Stairs, <i>d</i>	(1)
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Textual Criticism of the New Testament. DM. (8)**DR. ARNOLT.**

Milligan, <i>d</i>	(1)
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X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

(Students, 11; course registration, 14.)

Comparative Grammar of Greek and Latin (continued). M. 1st Term. (2)**ASSOCIATE PROFESSOR BUCK.**

—Adams, A., <i>g</i>	—Jones, <i>g</i>	Shipley, <i>g</i>
—Bartlett, <i>g</i>	—Jones, J., <i>g</i>	Wood, <i>g</i>
Erickson, <i>g</i>		(7)

Exercises in Greek and Latin Comparative Grammar. M. 2d Term. (3)**ASSOCIATE PROFESSOR BUCK.**

Erickson, <i>g</i>	Shipley, <i>g</i>	Wood, F. A., <i>g</i>
		(3)

Sanskrit (continued). DM. (5)**ASSOCIATE PROFESSOR BUCK.**

Wood, <i>g</i>	(1)
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Research Work.**ASSOCIATE PROFESSOR BUCK.**

Fowler, <i>g</i>	Linscott, <i>g</i>	Owen, W. B., <i>g</i>
		(3)

XI. THE GREEK LANGUAGE AND LITERATURE.

(Students, 77; course registration, 89.)

The Greek Drama (Seminar). DM. (25)**PROFESSOR SHOREY.**

—Bartlett, <i>g</i>	—Faulkner, <i>g</i>	Paschal, <i>g</i>
—Blaine, <i>g</i>	Jones, A., <i>g</i>	—Wier, <i>g</i>
Erickson, <i>g</i>	Kruse, <i>g</i>	(8)

Homer, *Iliad*. DM. (18)**PROFESSOR SHOREY.**

Adkinson, <i>a</i>	—Ford, <i>a</i>	—Payne, <i>g</i>
Bailey, <i>g</i>	—Hill, E.,	Pienkowsky, <i>a</i>
—Baird, <i>a</i>	Ickes, <i>a</i>	—Radford, <i>a</i>
—Baldwin, <i>a</i>	—Jackson, <i>a</i>	Snite, <i>a</i>
—Bartlett, <i>g</i>	—Kells, <i>a</i>	—Spray, <i>a</i>
Bliss, C., <i>a</i>	—Loesch, <i>a</i>	—Thompson, E., <i>a</i>
Brown, J., <i>a</i>	Logie, <i>u</i>	Trumbull, <i>a</i>
—Browne, <i>a</i>	Matthias, <i>g</i>	Washburn, <i>g</i>
—Burkhalter, <i>a</i>	—McIntosh, <i>g</i>	—Wier, <i>g</i>
Chamberlin, <i>a</i>	Mitchell, <i>a</i>	—Winston, <i>a</i>
—Coolidge, <i>a</i>	Moffatt, <i>u</i>	—Wright, <i>a</i>
Ebersole, <i>a</i>	—Osborne, <i>a</i>	(35)

Plato, *Protagoras* and *Euthyphro*. DM. (7)**PROFESSOR TARBELL.**

Atwater, C., <i>g</i>	Drew, <i>a</i>	Owen, <i>g</i>
—Burnham, <i>g</i>	—Earle, <i>g</i>	Peterson, <i>a</i>
Dornisfe, <i>a</i>	Goodman, <i>a</i>	—Porterfield, <i>u</i>
		(9)

Introduction to Classical Archaeology. DM. (12)**PROFESSOR TARBELL.**

(See Department of Archaeology, Course No. 1.)

Euripides. DM. (24)**ASSISTANT PROFESSOR CASTLE.**

Bailey, <i>g</i>	—Hutchinson, <i>g</i>	Sanford, <i>g</i>
—Bartlette, <i>g</i>	Mather, <i>g</i>	Schlicher, <i>g</i>
Cobb, <i>g</i>	Matthias, <i>g</i>	Washburn, <i>g</i>
Erickson, <i>g</i>	—Payne, <i>g</i>	—Woodburn, <i>g</i>
Higgins, <i>a</i>		(13)

Xenophon, *Memorabilia*; Plato, *Apology of Socrates*. DM. (2)**ASSISTANT PROFESSOR CASTLE.**

Black, <i>g</i>	Johnson, <i>u</i>	—Sealey, <i>a</i>
Burkhalter, <i>a</i>	McIntyre, <i>a</i>	—Tefft, <i>a</i>
Dornisfe, <i>a</i>	Pienkowsky, <i>a</i>	Tooker, <i>a</i>
Hale, W., <i>u</i>	Robinson, <i>a</i>	Wildman, <i>a</i>
Herschberger, F., <i>a</i>		(13)

Homer, *Iliad* (Books I-III). Review of Greek Grammar. DM. (1)

—Bean,	Rugh, a	Vaughan, F., a	
—Graves, M., a	Simpson, a	Winston, a	
—Harding, a	—Tefft, a	Yust, g	(10)
—Hunt, u			

Special Work.

France, g			(1)
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Cicero (de Senectute); Livy (Books I. and II); the Writing of Latin. Section 2. DM. (4d)

MR. C. H. MOORE.

Campbell, a	Hopkins, a	Payne, a	
Dans, a	Hoyt, a	Roby, a	
Gilchrist, a	Lipaky, a	Shreve, a	
Grant, a	Loeb, a	—Thompson, H., a	(14)
Hagey, a	—Martin, a		

XII. THE LATIN LANGUAGE AND LITERATURE.

(Students, 153; course registration, 173.)

Plautus. DM. (9)

HEAD PROFESSOR HALE.

Aber, g	—Frazeur, a	Mather, g	
—Adams, A., g	—Gilbert, g	Paschal, g	
Atwater, g	Gordis, g	—Ramadell,	
—Blaine, g	—Hosford, g	Sanford, g	
—Brown, u	Hussey, g	Schlicher, g	
Chase, g	—Hutchison, g	Shipley, g	
Cobb, g	Jones, A., g	Washburn, g	
—Earle, g	—MacCracken, g	—Woodburn, g	(24)

Seminar 3; Comparative Syntax of the Greek and Latin Verb (continued). DM. (36)

HEAD PROFESSOR HALE.

Aber, g	—Hosford, g	Paschal, g	
Bailey, g	Hussey, g	Schlicher, g	
Chase, g	Kruse, g	Shipley, g	(11)
Gordis, g	—Lovell, g		

Horace (Book II. of Epistles) and Quintilian. DM. (13)

PROFESSOR CHANDLER.

Amlie, g	—Gettys, u	Matthias, g	
—Bennett, a	—Hubbard, a	McNeal, a	
—Earle, g	—Lewis, u	Moffatt, a	
—Fish, a	—Lewis, S., u	—Ramadell,	
—Freeman, a	MacCracken, g	—Woodburn, g	(15)

Tacitus (Seminar). (Continued.) (35)

PROFESSOR CHANDLER.

(Course withdrawn.)

Cicero (de Senectute); Livy (Books I. and II.); the Writing of Latin. Section 1. DM. (4c)

ASSISTANT PROFESSOR MILLER

—Anderson, a	—Graves, a	Myhrman, d	
Arbogast, a	Griswold, a	—Neal, a	
—Atwater, g	Hale, u	—O'Brien, a	
—Backus,	Harms, a	—Osborne, a	
Broek, a	—Harris, a	—Piper, a	
Burkhalter,	—Hunt, E., u	—Seavey, a	
—Chamberlin, a	—Kennedy, a	Shallies,	
Davis, a	—Lester, a	—Teller, a	
—Dumke, a	—Miller, Ethel, a	Walker, a	
Ebersole, a	—Miller, Elsie, a	—Wright, a	(31)
—Feilchenfeld, a			

Horace (Odes); Wilkins' Primer of Roman Literature.

DM. (6b) ASSISTANT PROFESSOR MILLER.

Bishop, a	—Hewitt, a	Roggy,	
Coleman, a	—Hill,	—Swartz, a	
—Coolidge, a	—Kells, a	Trumbull, a	
Drew, a	Lowy, a	Wier, g	
—Gatzert, a	Mandel, a	Yust, g	(17)
Herring, a	—Manning, a		

Terence (Phormio); Tacitus (Germania and Agricola); the Writing of Latin. Section 1. DM. (5b)

MR. C. H. MOORE.

—Anderson, E., a	Freeman, J., a	—McIntosh, g	
Baker, E., a	Frutchey, a	Merrifield, a	
—Baker, G., a	—Harding, a	Moore, R., a	
—Bean,	Herschberger, a	Robinson, a	
—Beers, E., a	Hariburt,	Salinger, a	
Breeden, W., a	Johnson, F., u	—Stahl,	
Bushnell, a	—Kane, u	White, a	
Capen, a	Lovett, a	Wildman, a	(28)
Dunning, a	McGee, a		

Terence (Phormio); Tacitus (Germania and Agricola); the Writing of Latin. Section 2. DM. (5c)

MR. WALKER.

Bachman, a	—Eldred, a	Mentzer, a	
—Baldwin, a	Garver, a	Roby, a	
—Ball, F., a	Geselbracht, a	Rugh, a	
—Ball, H., a	Glascocck,	Thach, a	
—Crandall, a	Hayward, a	Vaughan, a	
Cullen, a	—Kennedy, a	Wescott, a	(20)
Dougherty, a	—Lenington, a		

Virgil (*Aeneid*). DM. (2)

MR. WALKER.

Bowers,	Glascocck,	Simpson, B., a	
Dickerson,	—Kirkwood, g	Simpson, E., a	
—Dumke, a	Myhrman, d	—Stahl,	(9)

Cicero (Letters). DM. (7)

MR. GORDIS.

Amlie, g	—Crookham, a	Looney, a	
—Beatty, u	—Klock, u	Wieland,	(6)

XIII. ROMANCE LITERATURE AND PHILOLOGY.

(Students, 103; course registrations, 111.)

Elementary French (continued). DM. (2) Section B.

ASSISTANT PROFESSOR BERGERON.

Breeden, a	Hering, a	Schoenfeld, a	
Broek, a	—Kerr, a	Shutterly, a	
Calhoun, a	—Luttrell, u	Smith, H., a	
—Candee, a	McClennahan, a	Smith, K., u	
—Conrath,	McKinley, a	—Stagg, a	
—Crandall, a	Mentzer, a	Todd, u	
Deffenbaugh, a	Riordan,	Wieland,	(22)
Geselbracht, a			

French. History of the Literature from the origin to the Nineteenth Century. DM. (8)

ASSISTANT PROFESSOR BERGERON.

(Course withdrawn.)

Old French Literature Seminar.

ASSISTANT PROFESSOR BERGERON.

(Course withdrawn.)

French. Literature of the Nineteenth Century. DM.

(11) ASSISTANT PROFESSOR BERGERON.

(Course withdrawn.)

Modern French Literature Seminar.

ASSISTANT PROFESSOR BERGERON.

(Course withdrawn.)

Elements of French Literature. DM. (14a)

ASSISTANT PROFESSOR BERGERON.

—Austrian, C.,	Brandt, u	Munson, J., g	
—Austrian, D.,	—Fitzgerald,	—Shire, a	(7)
—Bigelow, J., a			

French. Rapid Reading and Conversation. DM. (5)

ASSISTANT PROFESSOR BERGERON.

—Ballou, a	—Foster, u	Nelson, S. A., a	
—Bennett, a	—Goldsmith, a	—Rew,	
—Bigelow,	—Griswold, a	—Sherwin, u	
—Casteel,	Gwin, a	Smith, a	
—Cook, u	—Hannan,	Taylor, g	
—Cooke, a	Jones, u	Waterbury, a	
—Eberhart, a	—Martin, a	Weston,	(23)
—Ely, a	McNeal, a		

Spanish. Classic and Modern Dramatists. DM. (21)

MR. HOWLAND.

(Course withdrawn.)

Italian. History of Italian Literature. DM. (29)

MR. HOWLAND.

—Austrian,	Murphy, g	—Witkowsky, g	(4)
Munson, g			

Italian. Dante, L'Inferno. DM. (32)

MR. HOWLAND.

Neff, g (1)

Elementary French (continued). DM. (2) Section A.

MR. HOWLAND.

Adkinson, a	Hewitt, Henry, a	—Patchell, E., d	
—Anderson, E.,	Hobart, u	—Smith, S.,	
Barlow,	—Hubbard, a	Stevens, a	
—Barnes,	Johnson, R., u	—Stratton,	
Campbell, a	Jordan, a	Stone, u	
Chollar, u	McClenahan, a	Thornton,	
—Freeman, G., a	—Moore, a	Walker, a	
Gleason, a	Morgan, T., u	Wiley, a	(25)
Goodman, a			

Historical French Grammar. DM. (14)

DR. DE POYEN-BELLISLE.

—Cutler, g	—Jones, g	Munson, g	(3)
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Old French Texts. DM. (17)

DR. DE POYEN-BELLISLE.

(Offered in connection with Romance, Course No. 14.)

Old French Seminar.

DR. DE POYEN-BELLISLE.

—Cutler, g	—Witkowsky, g		(2)
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Special.

—Cutler, g	Neff, g	DR. DE POYEN-BELLISLE
		—Witkowsky, g (3)

Elementary French. DM. (1)

DR. DE POYEN-BELLISLE.

—Apps, a	Greenbaum, a	—Oglevee, a
Brooking,	—Hay, a	—Pierce,
Burkhalter,	Linn, a	Roosa, u
—Cornish, a	—Matz,	Schlamann, d
—Darrow,	—McBee,	Sincere, a
—Dorman,	Mulford,	Wales, a
—Evans, a	—Neal, E., a	Yust, g

(21)

Spanish. DM. (24)

MISS WALLACE.

(Course withdrawn.)

Spanish. DM. (27)

MISS WALLACE.

(Course withdrawn.)

Spanish. DM. (23)

MISS WALLACE.

(Course withdrawn.)

XIV. GERMANIC LANGUAGES AND LITERATURES.

(Students, 136; course registrations, 145.)

German Prose Composition. DM. (28)

ASSOCIATE PROFESSOR CUTTING.

—Adams, g	—Greene,	Lowy, a
—Barnes,	—Holton,	Stackrath,
—Dana, g	—Hubbard,	—Winston, L., g
—Darrow,	—Kunz,	—Young,

(12)

Literary Coöperation of Goethe and Schiller (continued). DM. (1)

ASSOCIATE PROFESSOR CUTTING.

—Young, (1)

Early Nineteenth Century Prose. DM. (34)

ASSOCIATE PROFESSOR CUTTING.

Barrett, a	—Hurlbut, a	—Oglevee, a
—Beardale,	—Ide, a	Peabody, a
Bliss, C., a	Jones, u	—Perkins, a
Bliss, G., a	—Kella, a	—Pierce, u
—Browne, a	—Kennedy,	—Porterfield, u
—Burkhalter, a	Liak, d	Rothschild, a
Campbell, J. T., a	Looney, a	Salinger, a
—Capen, a	Lowy, a	—Scovel, u
Clark, H. T., a	Mentzer, a	Sperans, a
—Crookham, a	Mandel, a	—Stuart,
—Dana, g	—Manning, G., a	Wayman, a
Ebersole, A., u	—Manning, L., a	Webster, u
—Eldred, a	McGillivray, a	Wiley, a
Feeler, a	Mentzer, a	Yarzemski, a
Higgins, a		

(43)

Old High German. DM. (6)

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

—Conrath,	Hadley, g	—Winston, g
Fox, a	—Jordan, g	—Witkowsky, g (3)
Fowler, g	—Linfield, g	

Old Norse. DM. (16)

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

—Jones, <i>g</i>	Mulfinger, <i>g</i>	Wood, <i>g</i>	(5)
Kern, <i>g</i>	Munson, <i>g</i>		

Old Saxon. DM. (18)

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

—Jones, <i>g</i>	—Linfeld, <i>g</i>	Wood, <i>g</i>	(5)
Kern, <i>g</i>	Mulfinger, <i>g</i>		

Elementary Course. DMM. (29)

Davidson, <i>d</i>	—Guthrie, <i>a</i>	Thach, <i>a</i>	
Dignan, <i>a</i>	Hales,	Vaughan, <i>a</i>	
Durand, <i>a</i>	Hendrick, <i>d</i>	—Vesey,	
—Eberhart, <i>a</i>	—Hill,	—Wallace, <i>a</i>	
—Ferguson,	—MacLean, <i>g</i>	—White,	
Fitzer,	Mandeville, <i>a</i>	—Wilmarth,	
—Fitzgerald,	—Nelson, <i>a</i>	Wooley, <i>a</i>	(23)
Goble,	Pomeroy, <i>a</i>		

Intermediate Course. DM. (30)

MR. MULFINGER.

Abell,	Evans, <i>a</i>	—Lovejoy, <i>a</i>	
Allen, <i>a</i>	—Finney, <i>a</i>	Norwood, <i>a</i>	
—Anderson, S., <i>a</i>	—Fish, <i>a</i>	Peterson, <i>a</i>	
Baker, E., <i>a</i>	Gilchrist, <i>a</i>	Rand, <i>a</i>	
Beach, <i>a</i>	—Griffith,	Richardson, <i>a</i>	
Beers, <i>a</i>	Hallingby,	Sawyer,	
—Benson,	Harris, <i>a</i>	—Shipley,	
Bond, <i>a</i>	Hopkins, <i>a</i>	—Skillin, <i>a</i>	
Burns, <i>a</i>	Hulshart, <i>u</i>	Steigmeyer, <i>a</i>	
—Brown, <i>g</i>	Hurlburt,	—Teller, <i>a</i>	
—Dougherty, <i>u</i>	Kienale, <i>a</i>	Tolman, <i>a</i>	
Dudley, <i>u</i>	Knott,	—Willis, <i>u</i>	
Dunning, <i>a</i>	Law, <i>a</i>	White, <i>a</i>	(39)

Outline Course in Scandinavian Literature DM.

MR. DAHL.

Coffin, <i>g</i>	Johnson, V., <i>u</i>	Moran, <i>u</i>	
—Foye, <i>u</i>	Johnson, <i>d</i>	Murphy, <i>g</i>	
Hollingby,	—Krohn, <i>a</i>	—Parker,	(9)

Elementary Course in Norwegian (Danish). DM.

MR. DAHL.

(Course withdrawn.)

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

(Students, 333; course registrations, 450).

Spenser's "Faerie Queene." DM. (67)

PROFESSOR MOULTON.

—Anderson, C., <i>g</i>	—Krohn, <i>a</i>	—Root, <i>u</i>	
—Boggs, <i>g</i>	—Mason,	—Stiles, <i>a</i>	
—Brown, <i>g</i>	Mathews, <i>u</i>	—Stone, E.,	
—Brown, L., <i>u</i>	Minnick, <i>a</i>	—Tunnickliff, <i>g</i>	
—Faddis,	Murphy, <i>g</i>	Vaughan, L. B.,	
—Gibbs,	—Parker,	Whyte, <i>a</i>	
—Graham,	—Robinson, <i>u</i>	—Winston, <i>g</i>	(23)
—Keith, <i>g</i>			

Milton. DM. (17)

ASSOCIATE PROFESSOR MCCLINTOCK.

—Anderson, <i>g</i>	Gaud, <i>g</i>	—Radford, <i>g</i>	
—Brown, <i>g</i>	—Keith, <i>g</i>	—Rickert, <i>g</i>	
Beardsley, <i>g</i>	—Provine, <i>g</i>	Yust, <i>g</i>	(11)
—Crotty, <i>g</i>	Putnam, <i>g</i>		

Shakespeare: the Interpretation of Representative Plays (Advanced). DM. (42 A)

ASSOCIATE PROFESSOR MCCLINTOCK.

Allen, <i>a</i>	Feeler, <i>a</i>	McGee, <i>a</i>	
Barrett, <i>a</i>	—Graves, E. B., <i>a</i>	—Osgood, <i>a</i>	
Bond, <i>a</i>	—Graves, L. B., <i>a</i>	Peabody, <i>a</i>	
—Browne, A., <i>a</i>	Law, <i>a</i>	—Perkin, S., <i>a</i>	
—Capen, <i>a</i>	Leonard, W.,	—Radford, M., <i>a</i>	
Clark, H. T., <i>a</i>	Lingle, <i>a</i>	Rand, <i>a</i>	
—Cornish, <i>a</i>	—Manning, <i>a</i>	Sampson, <i>a</i>	
—Cosgrove, <i>a</i>	—McClintock, A. J., <i>a</i>	—Stagg, <i>a</i>	
Davis, P., <i>a</i>	McClintock, S., <i>u</i>	—Thomas, <i>a</i>	(28)
Dibell, <i>a</i>			

Old English (continued). DM. (24)

ASSISTANT PROFESSOR BLACKBURN.

—Allen, <i>g</i>	—Davenport,	—Radford, <i>g</i>	
—Anderson,	Gaud, <i>g</i>	—Reynolds, <i>g</i>	
Beardsley, <i>g</i>	—Gibbs,	—Richert, <i>g</i>	
—Boggs, <i>g</i>	—Linfeld, <i>g</i>	—Stiles, <i>a</i>	
—Forrest, <i>g</i>	—Love, <i>g</i>	Taylor, <i>g</i>	
—Foye, <i>u</i>	—Maddocks, <i>g</i>	Youngdahl, <i>g</i>	(18)

History of the English Language. DM. (55)

ASSISTANT PROFESSOR BLACKBURN.

Batt, <i>a</i>	—Kane, <i>u</i>	—Stuart,	
Graves, P., <i>a</i>	—Nesbit, <i>g</i>	—Tryon, <i>g</i>	
—Johnston,	—Oglevee, <i>a</i>	—Willis, <i>u</i>	(9)

English Language Seminar.

ASSISTANT PROFESSOR BLACKBURN.

—Brainard, <i>g</i>	—Crotty, <i>g</i>	Squires, <i>g</i>	(3)
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History of the Drama in England from 1560 to 1642. DM. (47)

ASSISTANT PROFESSOR CROW.

—Aldrich,	—Goodman,	—Reynolds, <i>g</i>	
—Allen, <i>g</i>	Heil, <i>u</i>	—Root, <i>u</i>	
—Beardsley,	Loeb, <i>a</i>	—Scovel, <i>u</i>	
—Davenport,	—Moore, <i>a</i>	—Sherwin, <i>u</i>	
—Engle,	—Moore, E., <i>g</i>	—Stiles, <i>a</i>	
—Foye, <i>u</i>	—Parker,	—Walker, F., <i>g</i>	
—Forrest, <i>g</i>	Pike, <i>a</i>	—Weatherlow, <i>g</i>	
—Goodell, <i>u</i>	—Bew, <i>g</i>	Youngdahl, <i>g</i>	(24)

English Literature Seminar. DM. (36)

ASSISTANT PROFESSOR CROW.

—Brainard, <i>g</i>	—Ramsdell,	—Reynolds, <i>g</i>	
—Engle,	—Bew, R., <i>g</i>	—Weatherlow, <i>g</i>	(7)
Heil, <i>u</i>			

Seminar: Studies in the Origins of Shakespeare's Plays. DM. (31)

ASSISTANT PROFESSOR TOLMAN.

(Course withdrawn.)

Shakespeare: the Interpretation of Representative Plays. DM. (42B)

ASSISTANT PROFESSOR TOLMAN.

—Baird, M., a	—Lewis, u	—Provine, g
—Haft, u	—Lewis, S., u	—Tryon, N.,
—Hunt, u	Macomber, a	—Walls, a (10)
—Kirkwood, g		

English Literature. DM. (10) Section B.

ASSISTANT PROFESSOR TOLMAN.

Campbell, u	—Lovejoy, a	Schoenfeld, a
—Gibbs, a	Palmer,	—Scott, a
—Hannon,	—Reddy, a	—Steed,
Heyward, a	Rice,	—Stuart,
Jones,	—Rice, I., a	Vaughan, F., a
Logie, u	Roby, a	Wieland, (18)

Seminar in Writing (Appointments). (8A)

MR. HERRICK.

—Jones, g	—Rickert, g	—Stone, g (4)
—Radford, g		

Advanced English Composition. 2DM. (5)

MR. HERRICK.

—Baird, a	Fulcomer,	Patchell, d
—Ball, F.,	—Goodman,	—Provine, g
—Beardale,	Hughes, u	—Stanton,
Brandt, u	—Kennedy, a	—Steed,
Deffenbaugh, a	—Messick, a	—Walker, F., g (17)
—Dougherty, u	—Noble, a	

The History of Rhetoric and Rhetorical Methods. DM. (54 B)

MR. LEWIS.

—Anderson, C., g	—Crotty, g	—Roodhouse, g
Beardale, g	—Reed, g	Squire, g (6)

Rhetoric and English Composition. DM. (1)

MR. LEWIS.

Arbogast, a	—Graves, a	Raster, a
—Baldwin, a	Graves, R., a	Rudd, a
—Barnard,	—Grote,	Rugh, a
Beers, a	Hagey, a	Shutterly, u
Burns, a	Hessler,	Smith, a
Braam,	Hurlburt,	Lester, a
—Cooke, a	Kienzle, a	—Tryon,
Davis, a	Lester, a	Watt,
—Dorman,	McKeen,	—Werkmeister, a
Enelow, a	Meloy, a	Witt, d
Fair, a	Mulford,	Wooley, P., a
—Feilchenfeld, a	—O'Brien, a	Yarzembaki, a (38)
Finney, a	—Pierce,	

Argumentative Composition. DM. (3)

MR. LOVETT.

(Course withdrawn).

The Poetry of William Wordsworth. DM. (32)

MISS REYNOLDS.

Adkinson, a	Fealer, a	—Mason,
Amlie, g	—Graham,	—Maynard, u
—Bates,	Hoebcke, u	—Mitchell,
Brown, a	—Hutchings, a	—Pierce,
Caraway, u	Hyman, a	—Roodhouse, g
—Cook, u	—Ide, a	—Rowan,
—Davis,	—Keith, g	—Smith, H., a
Dougherty H., a	—Kerr, u	Smith, S.,
—Dougherty, M., u	—Kirkwood, g	Stevens, a (27)

English Literature. DM. (10) Section A.

MISS REYNOLDS.

Abernethy, a	—Hay, a	Patterson, a
—Anderson, E., a	Ickes, a	Pershing, a
—Austrian, a	Jannsen, a	—Piper, a
Bachman, a	—Keen, a	—Rex, a
Baker, E., a	Lackner, a	Rubel, a
Broek, a	Linn, a	—Shire, a
Burns, a	Lovett, a	—Smith, S.,
—Butler, a	Lynch,	—Spray, a
Coy, a	McIntyre, a	—Thompson, E., a
Cullen, a	Merrifield, a	Tooker, a
—Evans, a	—Miller, Elsie, a	Wescott, a
—Ford, a	—Miller, Ethel, a	White, a
—Goldsmith,	Norwood, a	—Winston, a (46)
—Grote,		

The Art School of English Poets. DM. (68)

MR. TRIGGS.

—Agarter, H., u	—Foster, u	Mathews, u
—Aldrich,	—Freeman, a	—Mitchell,
—Anderson, E.,	—Gibbs,	—Porterfield, u
—Bates,	—Goodman,	—Root, u
—Bell, a	—Graham,	—Sherwin, u
—Boggs, g	—Hopkins, u	—Stanton, g
—Casteel,	—Hubbard,	—Stephens,
—Davenport,	—Hunt, u	—Wood, g
—Faddis,	—Kennedy, a	Woods, a (29)
Flint, J., a	—Krohn, a	

Nineteenth Century Literature. DM. (52)

MR. TRIGGS.

—Bates,	—Love, g	—Rowan,
—Crotty, g	—Marot, g	Squires, g
—Faddis,	—Osgood, a	—Stanton, g
Henry, g	—Roodhouse, g	—Weatherlow, g
—Knott,	—Root, u	Woods, a (16)
Leiser, u		

Critical Examination of the Text of Hamlet. DM.

(66)

MRS. BRAINARD.

—Engle,	—Otis,	—Rickert, g (5)
—Kellogg, u	—Rex, g	

English Composition (Advanced Section). DM. (1 B)

MESSRS. LOVETT and HERRICK.

Alschuler, <i>a</i>	—Ely, <i>a</i>	Livingston, <i>a</i>
—Anderson, E., <i>a</i>	Flanders, <i>a</i>	McGee, <i>a</i>
Bliss, C., <i>a</i>	Frutchey, <i>a</i>	Norwood, <i>a</i>
Broek, <i>a</i>	Greenbaum, <i>a</i>	—Porterfield, <i>a</i>
Calhoun, <i>a</i>	Ickes, <i>a</i>	—Thompson, <i>a</i>
Cullen, <i>a</i>	Johnston, <i>a</i>	—Peirce, <i>a</i>
Davis, <i>a</i>	Law, <i>a</i>	—Winston, <i>a</i> (21)

English Composition (Beginning Section). DM. (1 B)

MESSRS. LOVETT and HERRICK.

Abernethy, <i>a</i>	Gilchrist, <i>a</i>	Palmer, <i>a</i>
—Aldrich, <i>a</i>	Glascok, <i>a</i>	Patterson, <i>a</i>
—Anderson, E., <i>a</i>	—Goldsmith, <i>a</i>	—Piper, <i>a</i>
Anderson, S., <i>a</i>	Greene, <i>a</i>	—Reddy, <i>a</i>
—Austrian, <i>a</i>	Griswold, <i>a</i>	Rice, E. W.,
Bachman, <i>a</i>	Hale, <i>a</i>	—Rice, I., <i>a</i>
Baker, <i>a</i>	Hales, <i>a</i>	Richardson, <i>a</i>
—Ball, F., <i>a</i>	Hallingby, <i>a</i>	Robertson, <i>a</i>
—Ball, H., <i>a</i>	Harris, <i>a</i>	—Rew, <i>a</i>
—Bates, <i>a</i>	Hayward, <i>a</i>	Rand, <i>a</i>
—Bean, <i>a</i>	Herschberger, <i>a</i>	Rubel, <i>a</i>
Beers, <i>a</i>	Hill, <i>a</i>	—Schoenfeld, <i>a</i>
—Bull, <i>a</i>	—Hopkins, <i>a</i>	—Scott, <i>a</i>
Bushnell, <i>a</i>	Hoyt, <i>a</i>	Snite, <i>a</i>
Campbell, G., <i>a</i>	—Hubbard, E.,	—Seavey, <i>a</i>
Campbell, H., <i>a</i>	Janssen, <i>a</i>	—Shire, <i>a</i>
—Candee, <i>a</i>	—Keen, <i>a</i>	—Skillin, <i>a</i>
Coleman, <i>a</i>	Kern, <i>a</i>	—Smith, S.,
Coy, <i>a</i>	—Lenington, <i>a</i>	—Spray, <i>a</i>
Davenport, <i>a</i>	Leonard, <i>a</i>	—Stanton, <i>a</i>
Davis, <i>a</i>	Lester, <i>a</i>	—Stuart, M.,
Dearing, <i>a</i>	Logie, <i>a</i>	—Swett, <i>a</i>
—Dumke, <i>a</i>	Lovett, <i>a</i>	—Teller, <i>a</i>
Ebersole, A., <i>a</i>	Martin, <i>a</i>	Thach, <i>a</i>
Ebersole, A. A., <i>a</i>	McIntyre, <i>a</i>	Vaughan, F., <i>a</i>
—Eldred, <i>a</i>	Mentzer, <i>a</i>	Wayman, <i>a</i>
—Fish, <i>a</i>	Merrifield, <i>a</i>	Walker, <i>a</i>
—Fraseur, <i>a</i>	—Miller, E. P., <i>a</i>	Waterbury, <i>a</i>
Freeman, <i>a</i>	—Miller, E. D., <i>a</i>	Wescott, <i>a</i>
—Freeman, M., <i>a</i>	—Morey, <i>a</i>	Wildman, <i>a</i>
Geselbracht, <i>a</i>	Osborne, <i>a</i>	Wright, <i>a</i> (88)

Research Work.

Henry, <i>g</i>	—Rickert, <i>g</i>	—Weatherlow, <i>g</i> (4)
—Pratt, <i>g</i>		

XVI. BIBLICAL LITERATURE IN ENGLISH.

(Students, 21; course registrations, 23.)

The Minor Prophets of the Assyrian Period. M. 1st

Term. (18) DR. KENT.

Butterworth,	Patchell, <i>d</i>	(2)
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Isaiah I-XXXIX. M. 2d Term. (12)

DR. KENT.

Butterworth,	Robinson, <i>d</i>	(2)
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The Gospel of Matthew. DM. (B7)

ASSOCIATE PROFESSOR MATHEWS.

Allen, <i>d</i>	Hoyt, <i>d</i>	Robinson, <i>d</i>
Berry, <i>d</i>	Jones, <i>d</i>	Schlosser, <i>d</i>
Briggs, <i>d</i>	Lockwood, <i>d</i>	Sheafer, <i>d</i>
Dent, <i>d</i>	Morgan, <i>d</i>	Smith, <i>d</i>
—Fradenburg, <i>d</i>	Osgood, <i>u</i>	Street, <i>d</i>
Heil, <i>u</i>	Perkins, <i>d</i>	West, <i>d</i> (19)
Henry, <i>d</i>		

XVII. MATHEMATICS.

(Students, 181; course registrations, 225.)

Analytic Geometry of Three Dimensions. DM. (12)

PROFESSOR BOLZA.

Boothroyd, <i>g</i>	Lehman, <i>g</i>	—Schottenfels, <i>g</i>
Cravens, <i>g</i>	Newton, <i>g</i>	—Taylor, <i>g</i>
George, <i>g</i>	Nichols, <i>g</i>	Wren, <i>g</i> (11)
Hart, <i>g</i>	Prior, <i>g</i>	

Theory of Substitutions. DM. (25)

PROFESSOR BOLZA.

Brown, <i>g</i>	Gillespie, <i>g</i>	Rothrock, <i>g</i>
Dickson, <i>g</i>	—Gould, A., <i>g</i>	Slaught, <i>g</i>
Froley, <i>g</i>	Joffe, <i>g</i>	Smith, J., <i>g</i> (9)

Weierstrass, Theory of Elliptic Functions. DM. (24)

ASSISTANT PROFESSOR MASCHKE.

Brown, <i>g</i>	Geckeler, <i>g</i>	Rothrock, <i>g</i>
Cobb, <i>g</i>	Gillespie, <i>g</i>	—Schottenfels, <i>g</i>
Dickson, <i>g</i>	Joffe, <i>g</i>	Smith, J., <i>g</i>
Froley, <i>g</i>	Remick, <i>g</i>	—Taylor, <i>g</i> (12)

Advanced Integral Calculus (continued). DM. (10)

ASSISTANT PROFESSOR MASCHKE.

Barrett, <i>g</i>	Lamay, <i>a</i>	Runyon, <i>g</i>
Boothroyd, <i>g</i>	Lehman, <i>g</i>	Schnelle, <i>g</i>
Burns, E., <i>g</i>	Newton, <i>g</i>	—Schottenfels, <i>g</i>
Cravens, <i>g</i>	Nichols, <i>g</i>	Smith, N. F., <i>g</i>
Dickson, <i>g</i>	Prior, <i>g</i>	—Stone, I., <i>g</i>
Drew, D., <i>g</i>	Remick, <i>g</i>	—Wentch, <i>g</i>
Geckeler, <i>g</i>	Rothrock, <i>g</i>	Yundt, <i>a</i> (22)
Hart, <i>g</i>		

The Theory of Equations. DM. (9)

DR. YOUNG.

Barrett, <i>g</i>	Cravens, <i>g</i>	—Schottenfels, <i>g</i>
Boothroyd, <i>g</i>	Drew, <i>g</i>	—Wentch, <i>g</i>
—Boyd, <i>g</i>	Everitt, <i>g</i>	Wren, <i>g</i> (11)
Burns, <i>g</i>	Newton, <i>g</i>	

The Theory of Numbers. DM. (20)

DR. YOUNG.

Froley, <i>g</i>	Slaught, <i>g</i>	Smith, <i>g</i> (4)
Joffe, <i>g</i>		

Analytics and Calculus. DM. (4) Section A.

DR. BOYD.

Barrett, <i>g</i>	Hancock, <i>u</i>	Smith, N., <i>g</i>
—Boyd, <i>g</i>	Harvey, <i>g</i>	—Van Vliet, <i>u</i>
Evans, <i>a</i>	Jone, <i>g</i>	Walling, <i>a</i>
Everitt, <i>g</i>	Paterson, <i>u</i>	Weston, <i>a</i>

(12)

Analytics and Calculus. DM. (4) Section B.

DR. BOYD.

Abbott, <i>a</i>	—Gano, <i>a</i>	McGillivray, <i>a</i>
Biddle, <i>g</i>	—Goodell, <i>u</i>	Pershing, <i>a</i>
Bliss, G., <i>a</i>	—Kellogg, <i>u</i>	Rothschild, <i>a</i>
Chace, <i>u</i>	—Lansingh, <i>g</i>	—Stone, <i>g</i>
—Comstock, <i>a</i>	Minard, <i>u</i>	Tolman, <i>a</i>
Dougherty, <i>a</i>	—Munson, <i>a</i>	—Wentch, <i>g</i>
Ferguson, <i>g</i>		

(19)

Required Mathematics. DM. (1a)

DR. BOYD.

—Beers, E., <i>a</i>	Herschberger, <i>a</i>	—Osborne, <i>a</i>
Calhoun, <i>a</i>	—Hubbard, Elis., <i>a</i>	—Rice, I., <i>a</i>
—Fish, L., <i>a</i>	—Lenington, <i>a</i>	Robinson, <i>a</i>
Freeman, J., <i>a</i>	—Lester, <i>a</i>	—Scott, <i>a</i>
—Freeman, M., <i>a</i>	McGee, <i>a</i>	—Seavey, <i>a</i>
Griswold, <i>a</i>	—Moore, R., <i>a</i>	Wilson, W. T., <i>a</i>
—Harris, J., <i>a</i>	—Neal, <i>a</i>	—Wright, <i>a</i>

(21)

Calculus of Variations. DM. (23A)

(Course withdrawn.)

DR. HANCOCK.

Required Mathematics. DM. (1b)

DR. HANCOCK.

Abernethy, <i>a</i>	Hales, <i>a</i>	Patterson, <i>a</i>
—Adams, V., <i>a</i>	Harris, <i>a</i>	—Spray, <i>a</i>
Bond, <i>a</i>	Hoyt, <i>a</i>	—Stratton, <i>a</i>
Coy, <i>a</i>	Lacknor, <i>a</i>	—Tefft, <i>a</i>
—Ferguson, <i>g</i>	—Lynch, <i>a</i>	Weston, <i>a</i>
Gause, <i>a</i>	McIntyre, <i>a</i>	Wooley, P., <i>a</i>

(18)

Required Mathematics. DM. (1c)

DR. HANCOCK.

Alschuler, <i>a</i>	Greenbaum, <i>a</i>	Norwood, <i>a</i>
—Barnard, <i>a</i>	Hall, J., <i>a</i>	Rubel, <i>a</i>
Bassett, <i>a</i>	Jackson, W., <i>a</i>	—Runyon, <i>a</i>
Brown, J., <i>a</i>	Lipsky, <i>a</i>	Simpson, E., <i>a</i>
Campbell, J. W., <i>a</i>	Livingstone, <i>a</i>	—Skillin, <i>a</i>
Dickerson, <i>a</i>	—Lovejoy, <i>a</i>	Williams, C., <i>a</i>
—Frazour, <i>a</i>	—Miller, Elsie, <i>a</i>	Wolff, <i>a</i>
Frutchey, <i>a</i>	—Miller, Ethel, <i>a</i>	

(23)

Required Mathematics. DM. (1d)

MR. SMITH.

Barlow, <i>a</i>	Flanders, <i>a</i>	Walker, <i>a</i>
Bishop, <i>a</i>	Hale, <i>u</i>	—Wentch, <i>g</i>
Davis, <i>a</i>	Hurlbutt, <i>a</i>	Wooley, E., <i>a</i>
—Dumke, <i>a</i>		

(10)

Required Mathematics. DM. (2a)

MR. GILLESPIE.

Bachelle, <i>a</i>	Flint, N., <i>a</i>	Richardson, <i>a</i>
Ball, H., <i>a</i>	Hallingby, <i>a</i>	Sawyer, <i>a</i>
—Ball, F., <i>a</i>	McClenahan, <i>a</i>	Snite, <i>a</i>
Burkhalter, <i>a</i>	Rand, P., <i>a</i>	—Walls, <i>a</i>
Chamberlin, J., <i>a</i>	Randall, H., <i>a</i>	Wildman, <i>a</i>

(15)

Required Mathematics. DM. (2b)

MR. SLAUGHT.

Bushnell, <i>a</i>	Garver, <i>a</i>	—Paddock, <i>a</i>
—Chamberlin, <i>a</i>	—Goodman, <i>a</i>	Raster, <i>a</i>
—Cooke, <i>a</i>	Goodman, <i>a</i>	Shallies, <i>a</i>
Cullen, <i>a</i>	Harms, <i>a</i>	—Werkmeister, <i>a</i>
—Ely, <i>a</i>	Hayward, <i>a</i>	Wescott, <i>a</i>
Enelow, <i>a</i>	Mandel, <i>a</i>	Weston, <i>a</i>
Fair, <i>a</i>	—Martin, <i>a</i>	—Wilmarth, <i>a</i>
—Feilchenfeld, <i>a</i>		

(22)

Required Mathematics. DM. (2c)

MR. BROWN.

Arbogast, <i>a</i>	Enelow, <i>a</i>	Rudd, <i>a</i>
—Ball, H., <i>a</i>	—Finney, <i>a</i>	Schoenfeld, <i>a</i>
Beers, <i>a</i>	Geselbracht, <i>a</i>	Shallies, <i>a</i>
—Burkhalter, <i>a</i>	Goble, <i>a</i>	Smith, A., <i>a</i>
Burns, <i>a</i>	Jordan, <i>a</i>	—Vesey, <i>a</i>
—Chamberlin, E., <i>a</i>		

(16)

XVIII. ASTRONOMY.

(Students, 17; course registrations, 20.)

Solar Physics. DM or DMM. (2)

ASSOCIATE PROFESSOR HALL.

(Course withdrawn.)

Research Course in the Theory of Tides. (35)

DR. SEE.

(Course withdrawn.)

General Astronomy. DM. (36)

DR. SEE.

Barrett, <i>g</i>	Hancock, <i>u</i>	Smith, <i>a</i>
Boothroyd, <i>g</i>	Jone, <i>g</i>	Woods, <i>u</i>
Friedman, J., <i>a</i>	Lansingh, <i>u</i>	Yundt, <i>a</i>
—Goodell, <i>u</i>		

(10)

Dynamics of a System. DM. (37)

DR. LAVES.

Brown, <i>g</i>	Hart, <i>g</i>	Whitney, <i>g</i>
Geckeler, <i>g</i>		

(4)

Spherical Astronomy. (Part II.) DM. (38)

DR. LAVES.

Cravens, <i>g</i>	Drew, <i>g</i>	Hart, <i>g</i>
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(3)

Astronomical Seminar. (39)

DR. SEE AND DR. LAVES.

—Bartlett, <i>g</i>	Cravens, <i>g</i>	Hart, <i>g</i>
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(3)

XIX. PHYSICS.

(Students, 76; course registrations, 96.)

Research Course. DMM. (1)

PROFESSOR MICHELSON.

(Course withdrawn.)

Special Graduate Course. DM or DMM. (2)

HEAD PROFESSOR MICHELSON.

Barrett, <i>g</i>	—Stone, I., <i>g</i>	Whitney, <i>g</i>
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(3)

Velocity of Light. M. (8) Throughout Quarter.**HEAD PROFESSOR MICHELSON.**

(Course withdrawn.)

General Physics (Advanced). $\frac{1}{2}$ DM. 2d Term. (3)**HEAD PROFESSOR MICHELSON.**

Burns, <i>g</i>	Neel, <i>a</i>	Schnelle, <i>g</i>	
Hutchinson, <i>g</i>	Nichols, <i>g</i>	Smith, N., <i>g</i>	
Lamay, <i>a</i>	Runyon, <i>g</i>	Yundt, <i>a</i>	(10)
Lansingh, <i>u</i>			

General Physics (Advanced). $\frac{1}{2}$ DM. (3)**ASSOCIATE PROFESSOR STRATTON and****ASSISTANT PROFESSOR WADSWORTH.**

Burns, <i>g</i>	Neel, <i>a</i>	Schnelle, <i>g</i>	
Lamay, <i>a</i>	Nichols, <i>g</i>	Smith, N., <i>g</i>	(8)
Lansingh, <i>a</i>	Runyon, <i>g</i>		

General Physics. DM. (5)**ASSOCIATE PROFESSOR STRATTON.**

Abell,	Graves, R., <i>a</i>	Macomber, <i>a</i>	
Alschuler, <i>a</i>	Greenbaum, <i>a</i>	—Manning, L., <i>a</i>	
—Appes, <i>a</i>	—Hale, <i>a</i>	—Manning, G., <i>a</i>	
Barlow,	Hall,	Meloy, <i>a</i>	
—Barnard,	Hancock, <i>u</i>	Mosser, <i>a</i>	
Beach, <i>a</i>	—Hay, <i>a</i>	—Osgood, <i>a</i>	
Biddle, <i>g</i>	Hering, <i>a</i>	Peet, <i>g</i>	
Bishop, <i>a</i>	—Hopkins, <i>u</i>	—Perkins, <i>a</i>	
Burns, A., <i>a</i>	—Hubbard, E.,	Pienkowsky, <i>a</i>	
Calhoun, <i>a</i>	Hulshart, <i>u</i>	Pomeroy, <i>a</i>	
Campbell, <i>a</i>	Jackson, W., <i>a</i>	Raster, <i>a</i>	
Dignan, <i>a</i>	Janas, <i>a</i>	Richardson, <i>a</i>	
Dougherty, <i>a</i>	Janessen, <i>a</i>	Rubel, <i>a</i>	
Durand, <i>a</i>	Johnson,	—Runyon, <i>a</i>	
Evans, <i>a</i>	—Johnston, <i>u</i>	Steigmeyer, <i>a</i>	
—Fish, <i>a</i>	Lamay, <i>a</i>	de Swarte, <i>u</i>	
Flanders, <i>a</i>	—Klock, <i>u</i>	Tooker, <i>a</i>	
—Freeman, <i>a</i>	Lansingh, <i>u</i>	Voigt, <i>u</i>	
Glasecock,	Lingle, <i>a</i>	Willard, D., <i>g</i>	(50)
—Graves, <i>a</i>	Livingston, <i>a</i>		

Laboratory Practice (General). DM. (6)**ASSISTANT PROFESSOR WADSWORTH.**

—Hubbard, E.,	Voigt, <i>a</i>	Yundt, <i>g</i>	(4)
Munson, <i>g</i>			

Design and Construction of Instruments of Precision. DM. (10)**ASSISTANT PROFESSOR WADSWORTH.**

Braam,	Lamay, <i>a</i>	Schnelle, <i>g</i>	
Holloway, <i>a</i>	Lansingh, <i>u</i>	—Stone, I., <i>g</i>	(6)

Theory of Heat. DM. (14)**ASSISTANT PROFESSOR WADSWORTH.**

(Course withdrawn.)

Laboratory Practice (Advanced). DM. (4)**ASSISTANT PROFESSOR WADSWORTH.**

Burns, E., <i>g</i>	Nichols, <i>g</i>	Smith, N., <i>g</i>	
Neel, <i>a</i>	Schnelle, <i>g</i>	Yundt, <i>a</i>	(6)

XX. CHEMISTRY.

(Students, 73; course registrations, 134.)

Organic Chemistry (continued). DM. (9)**PROFESSOR NEF.**

Bushong, <i>g</i>	—Hunt, <i>g</i>	Kinney, <i>g</i>	
Dains, <i>g</i>	Hutchinson, <i>g</i>	Richards, <i>a</i>	
—Goldthwaite, <i>g</i>	Johnson, <i>g</i>	—Stone, H., <i>g</i>	
Heese, <i>g</i>	Jones, <i>g</i>	Thürlimann, <i>g</i>	(13)
Hornbeak, <i>g</i>			

Organic Preparations. Laboratory work. DM or DMM. (18)**PROFESSOR NEF.**

—Goldthwaite, <i>g</i>	Richards, <i>a</i>	Thürlimann, <i>g</i>	(4)
—Hunt, <i>g</i>			

Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)**PROFESSOR NEF.**

Bushong, <i>g</i>	Heese, <i>g</i>	Jones, <i>g</i>	(3)
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General Inorganic Chemistry (continued). DM. (1)**ASSISTANT PROFESSOR SMITH.**

Bachelle, <i>a</i>	Holloway, <i>a</i>	Raycroft, <i>u</i>	
—Bardwell,	—Hubbard,	Riggs, <i>g</i>	
Bliss, G., <i>a</i>	Jegi, <i>a</i>	Rothschild, <i>a</i>	
Campbell, J. T., <i>a</i>	—Jones, <i>u</i>	Russell, <i>a</i>	
Carpenter, <i>u</i>	—Kellogg, <i>u</i>	Sass, <i>a</i>	
—Cary, <i>g</i>	Loeb, <i>a</i>	Simpson, <i>a</i>	
Chace, <i>u</i>	McClenahan, <i>a</i>	Sperans, <i>a</i>	
Chollar, <i>u</i>	McGillivray, <i>a</i>	de Swarte, <i>u</i>	
Dougherty, H., <i>a</i>	—Moore, <i>a</i>	—Thomas, <i>a</i>	
Gale, <i>u</i>	—Morey,	Wiley, <i>a</i>	
Gleason, <i>a</i>	Neel, <i>a</i>	Willard, <i>g</i>	
Hall,	Nichols, <i>a</i>	—Williston, <i>u</i>	
Hewetson,	Pershing, <i>a</i>	Winston, C., <i>a</i>	(40)
Hewitt, H. H., <i>a</i>			

General Chemistry (continued). Chiefly Laboratory Work. DM. (3)**ASSISTANT PROFESSOR SMITH.**

Flint, J., <i>a</i>			(1)
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Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)**ASSISTANT PROFESSOR SMITH.**

(Course withdrawn.)

Qualitative Analysis. Laboratory work. DM or DMM. (4)**DR. STIEGLITZ.**

Abbott, <i>a</i>	Johnson, <i>g</i>	Randall, <i>a</i>	
Barrett, <i>g</i>	Kunz,	Roberts, <i>g</i>	(8)
—Comstock,	Minard, <i>u</i>		

Quantitative Analysis. Laboratory work. DM or DMM. (6)**DR. STIEGLITZ.**

Biddle, <i>g</i>	Jeffreys,	—Stone, H., <i>g</i>	
Hornbeak, <i>g</i>	Norwood, <i>a</i>	Van Oadel, <i>g</i>	
Hutchinson, <i>g</i>	Scott,	Webster, <i>u</i>	(11)
Janas, <i>a</i>	Steinwedel,		

Elementary Spectrum Analysis. $\frac{1}{2}$ DM. (8)

DR. STIEGLITZ.

Abbott, <i>a</i>	—Jeffreys,	Van Osdel, <i>g</i>
Dains, <i>g</i>	Jone, <i>g</i>	Scott,
Hornbeak, <i>g</i>	Jones, <i>g</i>	Swartz, <i>g</i>
Hutchinson, <i>g</i>	Randall, <i>a</i>	Webster, <i>u</i>
Janss, <i>a</i>		(13)

Research Work for Ph.D. Thesis. Organic Chemistry. DMM. (20)

DR. STIEGLITZ.

Dains, <i>g</i>	Folin, <i>g</i>	(2)
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Organic Nitrogen Derivatives. $\frac{1}{2}$ DM. (24)

DR. STIEGLITZ.

Bushong, <i>g</i>	Hesse, <i>g</i>	Richards, <i>a</i>
Dains, <i>g</i>	Jones, L., <i>g</i>	Swartz, <i>g</i>
Folin, <i>g</i>	Kinney, <i>g</i>	(8)

Advanced Inorganic Chemistry. $\frac{1}{2}$ DM. (11)

DR. LENGFELD.

Biddle, <i>g</i>	Johnson, <i>g</i>	Richards, <i>a</i>
Folin, <i>g</i>	Hesse, <i>g</i>	Swartz, <i>g</i>
—Goldthwaite, <i>g</i>	Kinney, <i>g</i>	Thürlimann, <i>g</i>
		(9)

Advanced Inorganic Preparations. DM or DMM. (13)

DR. LENGFELD.

Hornbeak, <i>g</i>	Kinney, <i>g</i>	Johnson, <i>g</i>
		(3)

Theoretical Chemistry (continued). $\frac{1}{2}$ DM. (15)

DR. LENGFELD.

Abbott, <i>a</i>	Hornbeak, <i>g</i>	Jone, <i>g</i>
Biddle, <i>g</i>	—Hunt, <i>g</i>	Richards, <i>a</i>
Bushong, <i>g</i>	Hutchinson, <i>g</i>	—Stone, H., <i>g</i>
—Comstock,	—Jeffreys,	Thürlimann, <i>g</i>
Dains, <i>g</i>		(13)

Research Work for Ph.D. Thesis. Inorganic Chemistry. DMM. (20)

DR. LENGFELD.

Swartz, <i>g</i>	(1)
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Physico-Chemical Methods. $\frac{1}{2}$ DM. (22)

DR. LENGFELD.

Dains, <i>g</i>	Johnson, <i>g</i>	Jones, L., <i>g</i>
Hutchinson, <i>g</i>	Jone, <i>g</i>	(5)

History of Chemistry. $\frac{1}{2}$ DM. (17)

DR. CURTISS.

(Course withdrawn.)

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

DR. IKUTA.

(Course withdrawn.)

XXI. GEOLOGY.

(Students, 71; course registrations, 86.)

Principles and Working Methods of Geology (continued). DM or DMM. (23)

HEAD PROFESSOR CHAMBERLIN.

Gordon, <i>g</i>	Perisho, <i>g</i>	Peet, <i>g</i>
		(8)

Seminar. (26)

HEAD PROFESSOR CHAMBERLIN.

Dunlavy, <i>g</i>	Kümmel, <i>g</i>	Perisho, <i>g</i>
Hopkins, <i>g</i>	Peet, <i>g</i>	Thürlimann, <i>g</i>
		(6)

Professional Geology. DM or DMM. (28)

HEAD PROFESSOR CHAMBERLIN.

(Course withdrawn.)

Special Geology (continued). M or MM. (24)

HEAD PROFESSOR CHAMBERLIN and

PROFESSOR SALISBURY.

(Course withdrawn.)

Structural Geology and Continental Evolution. DM or DMM. (11)

PROFESSOR SALISBURY.

Arnold, <i>u</i>	Hopkins, <i>g</i>	Minard, <i>u</i>
Atwood, <i>a</i>	—Krackowizer,	—Packer, <i>u</i>
Caraway, <i>u</i>	Lewis, J., <i>u</i>	Sweet, B., <i>g</i>
—Claypole, <i>g</i>	Miller, M., <i>g</i>	Wolff, <i>a</i>
Graves, P., <i>a</i>		(13)

General Geology. DM or DMM. (12)

PROFESSOR SALISBURY.

—Baird, <i>a</i>	—Crandall, <i>a</i>	Rudd, <i>a</i>
—Ballou, <i>a</i>	—George,	Sass, <i>a</i>
Barrett, <i>a</i>	—Graves, E., <i>a</i>	Shreve, <i>a</i>
Bassett, <i>a</i>	—Graves, L., <i>a</i>	Tolman, <i>a</i>
Campbell, J. T., <i>a</i>	Holloway, <i>u</i>	Walling, <i>a</i>
Chamberlin, <i>a</i>	McClintock, S., <i>u</i>	—Willis, <i>u</i>
—Clark, F., <i>u</i>	Morgan, <i>u</i>	(20)

Dynamic Geography. 1 or more MM or M.

PROFESSOR SALISBURY.

—Krackowizer,	Lewis, <i>u</i>	(2)
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Descriptive Mineralogy. DM. 2d Term. (4)

ASSOCIATE PROFESSOR IDDINGS.

Dunlavy, <i>g</i>	Swartz, <i>g</i>	Thürlimann, <i>g</i>
—Goldthwaite, <i>g</i>		(4)

Petrography. DMM or DM. (6)

ASSOCIATE PROFESSOR IDDINGS.

Gordon, <i>g</i>	Hopkins, <i>g</i>	Whitson, <i>g</i>
		(3)

Economic Geology. DM. (14)

ASSOCIATE PROFESSOR PENROSE.

Perisho, <i>g</i>	Willard, D., <i>g</i>	(2)
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Chemistry of Ore Deposits. DM. (15)

ASSOCIATE PROFESSOR PENROSE.

Kümmel, <i>g</i>		(1)
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Palaeontologic Geology. DM or DMM. (18)

DR. QUEREAU.

Gordon, <i>g</i>	Kümmel, <i>g</i>	Perisho, <i>g</i>
Hopkins, <i>g</i>	Miller, <i>g</i>	(5)

Special Palaeontologic Geology. DM or DMM. (19)

DR. QUEREAU.

Gordon, <i>g</i>		(1)
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Physiography (Repeated). DM. (1)

Bliss, G., *a*
Brookings,
—Candee, *a*
—Cornish, *a*
Coleman, *a*
—Cosgrove, *a*
Davis, *a*
—Eldred, *a*

—Ely, *a*
—Ford, *a*
—Gatzert, *a*
Gwin, *a*
Iokes, *a*
—Keen, E., *a*
—Lenington, *a*

MR. KÜMMEL.
—Noble, *a*
Paterson, *u*
—Radford, *a*
Sincere, *a*
Todd, *u*
Voigt, *a*
Walls, *a* (22)

XXII. ZOÖLOGY.

(Students, 49; course registrations, 73.)

Embryology. Higher Invertebrates. DMM. (3)

HEAD PROFESSOR WHITMAN.

Boyer, *g*
Brode, *g*
—Clapp, *g*
—Claypole, *g*
Fling, *g*

Garrey, *g*
Hallinen, *g*
Mead, *g*
McCaskill, *g*

Munson, *g*
Packard, *g*
—Sturges, *g*
Whitney, *g* (13)

Seminar. DM. (4)

HEAD PROFESSOR WHITMAN.

Boyer, *g*
Brode, *g*
—Clapp, *g*
—Claypole, *g*

Fling, *g*
Hallinen, *g*
Mead, *g*

Munson, *g*
Packard, *g*
—Sturges, *g* (10)

Comparative Anatomy of the Vertebrates (continued).

DM or DMM. (10)

DR. WHEELER.

—Brace, *g*
—Comstock,
Flint, J., *a*
Garrey, *g*

—Hamilton, *a*
Lewis, *g*
McCaskill, *g*
Packard, *g*

Roberts, *g*
Simpson, *a*
Wilson, W. T., (11)

Special Bacteriology. DM or DMM. (14)

DR. JORDAN.

Baird,

—Clark, H., *g*

(2)

General Biology (continued). DM. (15)

DR. JORDAN.

—Bardwell,
—Boomer, *u*
Dunn, *g*
—Furness, *u*
Hewitt, *a*
Hubbard, H., *a*
—Hurlbut, *a*
Lyon, *g*

McKinley, *a*
—Morey,
—Morgan, *a*
Payne, *a*
Riggs,
—Rogers, *g*
—Shibley,
Sperans, *a*

—Stagg, *a*
—Sturges,
—Thomas, *a*
—Thompson, H., *a*
—Wallace, E., *a*
Wolff, *a*
Yarzenski, *a* (23)

Anatomy and Physiology of the Cell (continued).

DM. (7)

DR. WATASÉ.

—Brace, *g*
Brode, *g*
Chamberlain, C., *g*
—Clapp, *g*
—Claypole, *g*

Fling, *g*
Hardesty, *g*
—Holten,
McCaskill, *g*
Munson, *g*

Packard, *g*
Roberts, J., *g*
—Shibley,
—Sturges, *g* (14)

XXIII. ANATOMY AND HISTOLOGY.

(Students, 11; course registrations, 11.)

Elements of Histology. M. 1st Term. (3)

MR. EYOLESHYMER.

Bachelle, *a*
Dickerson,
—Holton,
Lewis, A., *g*

Lyon, *g*
Rayercroft, *u*
Riggs,

—Roberts, *g*
de Swarte, *u*
Wilson, W. T., (10)

Histology (Special). M. 2d Term. (2a)

MR. EYOLESHYMER.

Campbell, *g*

(1)

Mammalian Anatomy. DM. (4)

(Course withdrawn.)

MR. EYOLESHYMER.

XXIV. PHYSIOLOGY.

(Students, 25; course registrations, 28.)

Original Investigation in Physiology (continued).

DMM. (1) ASSISTANT PROFESSOR LOEB.

Baird,

—Welch, *g*

(2)

Advanced Physiology. DM or DMM. (2)

ASSISTANT PROFESSOR LOEB.

—Crane.
Hardesty, *g*

Maxwell, *g*

Mitchell, W. R., *g* (4)

Physiology of Circulation, Respiration, and Animal

Heat. (4) ASSISTANT PROFESSOR LOEB.

Fling, *g*
Hallinen, *g*
Lewis, *g*

Packard, *g*
Riggs,

Roberts, *g*
—Welch, *g* (7)

Physiology of Digestion, Secretion, and Metabolism.

DM or DMM. (6) DR. LINGLE.

Baird,

(1)

General Laboratory Work. DM. (7)

DR. LINGLE.

Blount, *g*
Brode, *g*
Campbell, J. W., *a*
—Currier, *a*
Flint, N., *a*

Garrey, *g*
Grant, *a*
Jordan, *d*
Lewis, *g*
Mead, *g*

Munson, *g*
Roberts, *g*
Riordan,
Wooley, *a* (14)

XXV. NEUROLOGY.

(Students, 9; course registrations, 14.)

The Growth and Physical Characters of the Brain as related to the Intelligence. M. 1st Term. (3)

PROFESSOR DONALDSON.

—Brace, *g*
Campbell, C., *g*
Hardesty, *g*

Maxwell, *g*
Mead, *g*

Rayercroft, *u*
Whitehead, *g* (7)

Anatomy of the Special Sense Organs. M. 2d Term.

(2) PROFESSOR DONALDSON.		
—Brace, <i>g</i>	Hardesty, <i>g</i>	Mead, <i>g</i>
Campbell, <i>g</i>	Maxwell, <i>g</i>	Whitehead, <i>g</i>
—Clapp, <i>g</i>		(7)

XXVI. PALÆONTOLOGY.

(Students, 4; course registrations, 4.)

Comparative Osteology and Phylogeny of Vertebrates. M. (2)

ASSISTANT PROFESSOR BAUR.

(Course withdrawn.)

Seminar in Phylogeny. M. (3)

ASSISTANT PROFESSOR BAUR.

(Course withdrawn.)

Research in the Osteology of Living and Extinct Vertebrates. DMM. (5)

ASSISTANT PROFESSOR BAUR.

(Course withdrawn.)

Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates. (With Course 2.)

ASSISTANT PROFESSOR BAUR.

(Course withdrawn.)

Human Osteology. Lectures and Laboratory. DM. 2d Term, Winter Quarter; 1st Term, Spring Quarter.

Baird,	Lewis, <i>g</i>	Roberts, <i>g</i>	(4)
Garrey, <i>g</i>			

XXVII. BOTANY.

(Students, 11; course registrations, 16.)

Plant Anatomy. Lectures. $\frac{1}{2}$ DM. (2)

PROFESSOR COULTER.

Chamberlain, C., <i>g</i>	Lucas, <i>g</i>	Mitchell, <i>g</i>	(7)
Hardesty, <i>g</i>	Lyon, <i>g</i>	Russell, <i>g</i>	
—Holton,			

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (5)

PROFESSOR COULTER.

Chamberlain, <i>g</i>	Lucas, <i>g</i>	Mitchell, <i>g</i>	(5)
—Holton,	Lyon, <i>g</i>		

Plant Evolution (Repeated). DM. (7)

MR. CLARKE.

Dudley, <i>u</i>	—Perkins,	—Stanton, <i>g</i>	(4)
Hobart, <i>u</i>			

XXVIII. ELOCUTION.

(Students, 120; course registration, 120.)

Theory and Practice (continued). (1)

MR. CLARK.

SECTION A.

—Baker, G., <i>a</i>	Davenport,	Mitchell, W. C., <i>a</i>
—Ballou, <i>a</i>	Drew, <i>a</i>	Moore, <i>a</i>
Bassett, <i>a</i>	Gwin, <i>a</i>	Shallies, <i>a</i>
—Bates, <i>a</i>	—Hutchings, <i>a</i>	Smith, K. G., <i>u</i>
—Coogrove, <i>a</i>	Lingle, <i>a</i>	Wales, <i>a</i>
—Crandall, <i>a</i>	McKinley, <i>a</i>	Walling, <i>a</i>

(13)

SECTION B.

Bachelle, <i>a</i>	Gleason, <i>a</i>	Perahing, <i>a</i>
Bachman, <i>a</i>	—Hurlbut, <i>a</i>	Rothschild, <i>a</i>
—Bennett, <i>a</i>	—Jones, N., <i>u</i>	Russell, <i>a</i>
—Brown, Agnes, <i>a</i>	Lipsky, <i>a</i>	—Thompson, E., <i>a</i>
—Fish, L., <i>a</i>	—Otis,	—Thompson, H., <i>a</i>
—Freeman, M., <i>a</i>	—Peirce, <i>a</i>	—Wallace, <i>a</i>

(18)

SECTION C.

Batt, <i>a</i>	Flint, N., <i>a</i>	Janssen, <i>a</i>
—Bean,	—Gatzert, <i>a</i>	Kelso,
Bishop, <i>a</i>	Goble,	Lansingh, <i>u</i>
Bowers,	Grant, <i>a</i>	Leonard, <i>a</i>
Burns, <i>a</i>	—Guthrie, <i>a</i>	Moore, <i>a</i>
Butterworth,	—Harris, J., <i>a</i>	Sampson, <i>a</i>
Crowdson,	Hyman, <i>a</i>	Wildman, <i>a</i>
Fesler, <i>a</i>		

(22)

SECTION D.

Adkinson, <i>a</i>	Evans, <i>a</i>	Mosser, <i>a</i>
—Agerter, <i>a</i>	—Foster, <i>u</i>	—Munson,
Bond, <i>a</i>	—Jones, A.,	—Radford, M., <i>u</i>
Dibell, <i>a</i>		

(10)

SECTION E.

Barnard, <i>a</i>	—Hay, <i>u</i>	—Porterfield, <i>u</i>
Bliss, C. K., <i>a</i>	—Jackson, C., <i>a</i>	—Shibley, <i>a</i>
Campbell, J. T., <i>a</i>	Loeb, <i>a</i>	

(8)

SECTION F.

Barrett, <i>a</i>	—Graves, E. B., <i>a</i>	Peabody, <i>a</i>
Braam,	—Graves, L., <i>a</i>	—Perkins, <i>a</i>
Breeden, <i>a</i>	Ickes, <i>a</i>	Peterson, <i>a</i>
Broek, <i>a</i>	Jegi, <i>a</i>	—Tefft, <i>a</i>
Chamberlin, J., <i>a</i>	Jordan, <i>a</i>	Trumbull, <i>a</i>
Dignan, <i>a</i>	—Kells, <i>a</i>	White, <i>a</i>
Dornise, <i>a</i>	Macomber, <i>a</i>	Wiley, <i>a</i>
Durand, <i>a</i>	—Osgood, <i>u</i>	

(23)

SECTION G.

Alschuler, <i>a</i>	Burkhalter,	Rand, <i>a</i>
Anderson, O., <i>d</i>	Lackner, <i>a</i>	Sawyer, <i>a</i>
Bliss, G., <i>a</i>	Neel, <i>a</i>	Tooker, <i>a</i>

(9)

Original Oratoric Composition and Extemporaneous Speech. M. 1st Term. (3)

MR. CLARKE.

Atwood, <i>a</i>	Hill, F.,	Whyte, <i>a</i>
Brown, E. P., <i>a</i>	Johnson, V., <i>u</i>	Williams, C. B., <i>a</i>
Coon, <i>d</i>	Sherman, <i>a</i>	Wilson, W. O.,
Henderson, <i>a</i>	Stewart, C., <i>a</i>	

(11)

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

XLI. OLD TESTAMENT LITERATURE AND INTERPRETATION.

(For detailed statement of class lists, see above Department VIII.)

XLII. NEW TESTAMENT LITERATURE AND INTERPRETATION.

(For detailed statement of class lists, see above Department IX.)

XLIII. BIBLICAL THEOLOGY.

(See Courses 40 and 47 of Department VIII.)

XLIV. SYSTEMATIC THEOLOGY.

(Students, 34; course registrations, 41.)

Soteriology. M. 1st Term. (4)

HEAD PROFESSOR NORTHRUP.

Allen, <i>d</i>	Georges, <i>d</i>	Randall, <i>d</i>
Beyl, J., <i>d</i>	Goodman, <i>d</i>	Rocen, <i>d</i>
Borden, <i>d</i>	Hendrick, <i>d</i>	Rogers, <i>d</i>
Case, <i>d</i>	Herrick, <i>d</i>	Saunders, <i>d</i>
Chapin, <i>d</i>	Hurley, <i>d</i>	Street, <i>d</i>
Creasey, <i>d</i>	Kinney, <i>d</i>	Tustin, <i>d</i>
Criswell, <i>d</i>	Lemon, <i>d</i>	Vosburgh, <i>d</i>
Dickerson, <i>d</i>	Lockhart, <i>d</i>	Watson, <i>d</i>
Dye, <i>d</i>	McKinney, <i>d</i>	Wishart, <i>d</i>
Fisk, <i>d</i>	Peterson, <i>d</i>	Wood, <i>d</i>
Frantz, <i>d</i>		

(31)

Seminar in Christology. DMM. (8a)

HEAD PROFESSOR NORTHRUP.

Case, <i>d</i>	Peterson, <i>d</i>	Vosburgh, <i>d</i>
Herrick, <i>d</i>	Randall, <i>d</i>	Wishart, <i>d</i>
Heyland, <i>d</i>	Read, <i>d</i>	Wood, <i>d</i>
Osborn, <i>d</i>		

(10)

XLV. CHURCH HISTORY.

(Students, 54; course registrations, 60.)

The Puritan Fathers and the New England Theocracy. DM. (33)

HEAD PROFESSOR HULBERT.

Allen, <i>d</i>	Hurley, <i>d</i>	Randall, <i>d</i>
Boyer, <i>d</i>	Jones, <i>d</i>	Sanders, <i>d</i>
Braker, <i>d</i>	Jones, H., <i>d</i>	Schlamann, <i>d</i>
Case, <i>d</i>	Johnson, <i>d</i>	Stucker, <i>d</i>
Chalmers, <i>d</i>	Kinney, <i>d</i>	Vreeland, <i>d</i>
Criswell, <i>d</i>	Lake, <i>d</i>	Wishart, <i>d</i>
Dye, <i>d</i>	McKinney, <i>d</i>	Wood, <i>d</i>
Fisk, <i>d</i>	Nelson, <i>d</i>	Wood, W., <i>d</i>
Ford, <i>d</i>	Peterson, <i>d</i>	Wyant, <i>d</i>

(27)

The History of Christian Doctrine. M. 2d Term. (45)

HEAD PROFESSOR HULBERT.

Rhodes Sanders, *d* (2)

Seminar: The Struggle for Religious Liberty in Virginia. DM. (34)

HEAD PROFESSOR HULBERT.

(Course withdrawn.)

The German Reformation. DM. (11)

ASSOCIATE PROFESSOR JOHNSON.

Aitchison, <i>d</i>	Fletcher, <i>d</i>	Spickler, <i>d</i>
Atchley, <i>d</i>	Joseph, <i>d</i>	Stucker, <i>d</i>
Bale, <i>d</i>	Kingale, <i>d</i>	Thompson, <i>d</i>
Beyl, F. A., <i>d</i>	Kjellin, <i>d</i>	Vreeland, <i>d</i>
Bruce, <i>d</i>	Newcomb, <i>d</i>	—White, M.,
Case, <i>d</i>	Purinton, <i>d</i>	Wilkin, <i>d</i>
Crawford, <i>d</i>	Shoemaker, <i>d</i>	

(20)

Forerunners of the Reformation in Italy. DM. (10)

ASSISTANT PROFESSOR MONCRIEF.

Boyer, <i>d</i>	Hanson, <i>d</i>	Street, <i>d</i>
Coffin, <i>g</i>	Johnson, E., <i>d</i>	Thompson, <i>d</i>
Eaton, <i>d</i>	Kinney, <i>d</i>	Young, <i>d</i>
Ford, <i>d</i>	Rocen, <i>d</i>	

(11)

XLVI. HOMILETICS.

(Students, 77; course registrations, 104.)

Plans and Sermons. M. (1)

(First Year Class.)

HEAD PROFESSOR ANDERSON.

Anderson, J. N., <i>d</i>	Georges, <i>d</i>	Murray, <i>d</i>
Anderson, O. L., <i>d</i>	Guard, <i>d</i>	Newcomb, <i>d</i>
Bale, <i>d</i>	Haaton, <i>d</i>	Purinton, <i>d</i>
Beyl, F. A., <i>d</i>	Hobbs, <i>d</i>	Rogers, <i>d</i>
Borden, <i>d</i>	Jackson, <i>d</i>	Rhapetock, <i>d</i>
Breed, <i>d</i>	Jamison, <i>d</i>	Shoemaker, <i>d</i>
Bunyard, <i>d</i>	Jones, <i>d</i>	Smith, <i>d</i>
Coggins, <i>d</i>	Kingale, <i>d</i>	Snow, <i>d</i>
Crawford, <i>d</i>	Kjellin, <i>d</i>	Spooner, <i>d</i>
Criswell, <i>d</i>	Lemon, <i>d</i>	Stark, <i>d</i>
Davidson, <i>d</i>	Meigs, <i>d</i>	Stilwell, <i>d</i>
Dexter, <i>d</i>	McKinney, <i>d</i>	Williams, <i>d</i>
Ewing, <i>d</i>		

(37)

Plans and Sermons. M. (1)

(Second Year Class.)

HEAD PROFESSOR ANDERSON.

Aitchison, <i>d</i>	Dickerson, <i>d</i>	Rogers, <i>d</i>
Atchley, <i>d</i>	Fletcher, <i>d</i>	Tustin, <i>d</i>
Beyl, J. L.,	Hanson, <i>d</i>	Varney, <i>d</i>
Braker, <i>d</i>	Howard, <i>d</i>	Wilkin, <i>d</i>
Chalmers, <i>d</i>	Hurley, <i>d</i>	Wright, <i>d</i>
Coon, <i>d</i>	Morgan, <i>d</i>	

(17)

Plans and Sermons. M. (1)

(Third Year Class.)

HEAD PROFESSOR ANDERSON.

Case, <i>d</i>	Goodman, <i>d</i>	Rocen, <i>d</i>
Chapin, <i>d</i>	Herrick, <i>d</i>	Saunders, <i>d</i>
Cressey, <i>d</i>	Jones, <i>d</i>	Stucker, <i>d</i>
Dye, <i>d</i>	Kinney, <i>d</i>	Wood, <i>d</i>
Fisk, <i>d</i>	Lockhart, <i>d</i>	Wyant, <i>d</i>
Frantz, <i>d</i>	Myhrman, <i>d</i>	

(17)

History of Preaching. DM. (3)**HEAD PROFESSOR ANDERSON.**

Bale, <i>d</i>	Johnson, <i>d</i>	Stucker, <i>d</i>
Guard, <i>d</i>	Sanders, <i>d</i>	Wilkin, <i>d</i>
Jamison, <i>d</i>		

(7)

Church Polity. M. 1st Term. (4)**HEAD PROFESSOR ANDERSON.**

Aitchison, <i>d</i>	Fletcher, <i>d</i>	Rogers, <i>d</i>
Atchley, <i>d</i>	Fradenburg, <i>d</i>	Saunders, <i>d</i>
Braker, <i>d</i>	Georges, <i>d</i>	Speicher, <i>d</i>
Chalmers, <i>d</i>	Goodman, <i>d</i>	Varney, <i>d</i>
Chapin, <i>d</i>	Hendrick, <i>d</i>	Watson, <i>d</i>
Coon, <i>d</i>	Hurley, <i>d</i>	Wilkin, <i>d</i>
Dexter, <i>d</i>	Johnson, E., <i>d</i>	Wood, <i>d</i>
Dickerson, <i>d</i>	Lemon, <i>d</i>	Wright, <i>d</i>
Dye, <i>d</i>	Morgan, <i>d</i>	

(26)

THE ENGLISH THEOLOGICAL SEMINARY.**XVI. BIBLICAL LITERATURE IN ENGLISH.**

(See Graduate School and University Colleges, XVI.)

XLV. CHURCH HISTORY.

(Students, 26; course registrations, 47.)

Prior to Constantine. DM. (1)**ASSOCIATE PROFESSOR JOHNSON.**

Allen, <i>d</i>	Hatch, <i>d</i>	—Morgan, J., <i>d</i>
Berry, H., <i>d</i>	Henry, <i>d</i>	Perkins, <i>d</i>
Briggs, <i>d</i>	Hoyt, <i>d</i>	Schlosser, <i>d</i>
Dent, <i>d</i>	Hughes, <i>d</i>	Sheafer, <i>d</i>
Dexter, <i>d</i>	Jones, <i>d</i>	Smith, <i>d</i>
—Dexter, <i>d</i>	Lockwood, C., <i>d</i>	Summers, <i>d</i>
Fradenburg, <i>d</i>	—Lockwood, <i>d</i>	West, <i>d</i>
—Fradenburg, M., <i>d</i>	Mason, <i>d</i>	Witt, <i>d</i>
Gill, <i>d</i>		

(25)

The Great Reformers. DM. (16a)**ASSISTANT PROFESSOR MONCRIEF.**

Allen, <i>d</i>	Hoyt, <i>d</i>	Perkins, <i>d</i>
Berry, H., <i>d</i>	Hughes, <i>d</i>	Schlosser, <i>d</i>
Briggs, <i>d</i>	Jones, <i>d</i>	Sheafer, <i>d</i>
Dent, <i>d</i>	Lockwood, <i>d</i>	Smith, <i>d</i>
Dexter, <i>d</i>	—Lockwood, <i>d</i>	Webster, <i>d</i>
—Dexter, <i>d</i>	Mason, <i>d</i>	West, <i>d</i>
Fradenburg, <i>d</i>	—Morgan, J., <i>d</i>	Witt, <i>d</i>
Hatch, <i>d</i>		

(22)

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.***L. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION.**

(Students, 12; course registrations, 26.)

Sacred Geography and Biblical Antiquities. DM. (4)**ASSISTANT PROFESSOR GUNDERSEN.**

Andersen, H. P.,	Overgaard,	Rasmussen,
Nelson, M.,		

(4)

The Gospel of Matthew. M. 1st Term. (9)**ASSISTANT PROFESSOR GUNDERSEN.**

Andersen, H. P.,	Holm,	Nielsen, J. P.,
Arnsbach,	Kristoffersen,	Nelson, M.,
Borsheim, S. O.,	Larsen, J.,	Overgaard,
Christensen,	Larsen, N.,	Rasmussen,

(12)

The Epistle to the Galatians. M. 2d Term. (5)**ASSISTANT PROFESSOR GUNDERSEN.**

Andersen, H. P.,	Holm,	Nielsen, J. P.,
Arnsbach,	Kristoffersen,	Nelson, M.,
Borsheim, S. O.,	Larsen, J.,	Overgaard,
Christensen,	Larsen, N.,	Rasmussen,

(12)

LII. HOMILETICS AND PASTORAL DUTIES.

(Students, 5; course registrations, 10.)

Theory of Preaching. M. 1st Term. (1)**MR. BROHOLM.**

Christensen,	Larsen, J.,	Nielsen, J. P.,
Kristoffersen,	Larsen, N.,	

(3)

Sermonizing and Preaching. M. 2d Term. (2)**MR. BROHOLM.**

Christensen,	Larsen, J.,	Nielsen, J. P.,
Kristoffersen,	Larsen, N.,	

(5)

*Students whose names are not included in the above lists are pursuing studies preparatory to the Divinity courses proper.

LIII. CHURCH HISTORY.

(Students, 11; course registrations, 22.)

The Early Church. M. 1st Term. (1)**MR. BROHOLM.**

Andersen, H. P.,	Kristoffersen,	Nielsen, J. P.,
Arnsbach,	Larsen, J.,	Overgaard,
Christensen,	Larsen, N.,	Rasmussen, (11)
Holm,	Nelson, M.,	

The Mediæval Church. M. 2d Term.**MR. BROHOLM.**

Andersen, H. P.,	Kristoffersen,	Nelson, M.,
Arnsbach,	Larsen, J.,	Overgaard,
Christensen,	Larsen, N.,	Rasmussen, (11)
Holm,	Nielsen J. P.,	

THE SWEDISH THEOLOGICAL SEMINARY.***LVI. SYSTEMATIC THEOLOGY, CHRISTIAN ETHICS, AND PASTORAL DUTIES.**

(Students, 20; course registrations, 35.)

Introduction to the Christian Theology. MM. 1st Term. (3)**PROFESSOR LAGERGREN.**

Anderson, C. A.,	Lindberg,	Peterson,
Bjorkqvist,	Lovene,	Scott,
Burgason,	Oberg,	Wallman,
Calmer,	Olson, E. W.,	Widen, (14)
Dahlen,	Paulson,	

Symbolics. M. 1st Term. (6)**PROFESSOR LAGERGREN.**

Carlson, J. A.,	Clint,	Nelson, S. A.,
Carlson, S. G.,	Johnson, J. D.,	Nylen, C. E., (6)

The Bible a Revelation from God. M. 2d Term. (4)**PROFESSOR LAGERGREN,**

Anderson, C. A.,	Dahlen,	Peterson,
Bjorkqvist,	Lindberg,	Scott,
Calmer,	Oberg,	Wallman, (9)

Christian Ethics or Moral Theology. M. 2d Term. (7)**PROFESSOR LAGERGREN.**

Carlson, J. A.,	Clint,	Nelson, S. A.,
Carlson, S. G.,	Johnson, J. D.,	Nylen, C. E., (6)

LVII. CHURCH HISTORY.

(Students, 18; course registrations, 18.)

Modern Church History. DM. (1)**ASSISTANT PROFESSOR SANDELL.**

Anderson, C. A.,	Clint,	Oberg,
Bjorkqvist,	Dahlen,	Olson, L. E.,
Calmer,	Johnson, J. D.,	Peterson,
Carlson, O. F.,	Lindberg,	Sandell,
Carlson, S. G.,	Nelson, S. A.,	Scott,
Carlson, J. A.,	Nylen, C. E.,	Wallman, (18)

LVIII. HOMILETICS.

(Students, 12; course registrations, 24.)

Theoretical Homiletics. M. 1st Term. (1)**ASSISTANT PROFESSOR SANDELL.**

Anderson, C. A.,	Dahlen,	Oberg,
Bjorkqvist,	Erikson,	Peterson,
Calmer,	Lindberg,	Scott,
Carlson, O. F.,	Lovene,	Wallman, (12)

Practical Homiletics. M. 2d Term. (2)

Anderson, C. A.,	Dahlen,	Oberg,
Bjorkqvist,	Erikson,	Peterson,
Calmer,	Lindberg,	Scott,
Carlson, O. F.,	Lovene,	Wallman. (12)

* Students whose names are not included in the above lists are pursuing studies preparatory to the Divinity courses proper.

THE QUARTERLY REPORT
FOR THE AUTUMN QUARTER, 1894.

CONCERNING THE SEVERAL DIVISIONS OF THE UNIVERSITY.

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.
LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

NOTE.—(1). GRADUATE ENROLLMENT. Each Graduate student who is a candidate for a degree is enrolled in one department for his main work and in one or more other departments for subordinate work.

(2). The number of courses reported for each instructor indicates the amount of his instruction in terms of Double Minors.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
I. Philosophy :			Dewey	2	12	DM	4	8		1			8	
			Tufts	2	13	DM	4	7	10		4	1	8	16
			Angell	2	19	DM	4	8	2				24	32
			Mead	2	20	DM	4	1		22		5	10	11
				2	21	DM	4	1	1		1		58	61
Total	15	14	4	8			32	39	36	23	13	10	120	120
II. Political Economy			Laughlin	2	9	DM	4	7	1				8	
			Miller	3	21	DM	5	7	10	18	10		7	15
					1	DM	4	2	2				40	
					5	DM	4	15	2		1		18	
			Hill	1	15	DM	4	6	1	1			8	66
			Veblen	1	13	DM	4	1	1		1		4	4
			Hourwich	1	7	DM	4	3					2	2
				1	10	DM	4	1					1	1
Total	13	11	5	8			27	41	14	19	12		88	88
III. Political Science			Judson	2	11	DM	4	10	6	2	1		19	
			Freund	2	21	DM	4	6	6	3	1		16	35
					31	DM	4	8	3	1			12	
			Conger	1	41	DM	4	4	5	2	3		14	26
					71	DM	5	1		11	2		14	14
Total	9	21	3	5			21	29	20	19	6		74	74
IV. History :			Von Holst	2	39	DM	4	35	10	4	4		53	
			Terry	3	52	DM	4	16		1			17	70
					49	DM	4	9					9	
					3	DM	4	4	3	6	5		18	
			Thatcher	2	28	DM	4	17	2	2	2		23	50
					1A	DM	5			25	4		31	
			Conger	2	1C	DM	5	1	3	19	4		27	58
					1B	DM	5		1	18	3		22	
			Catterall	1	2A	DM	5	1	1	16	1		19	41
			Wirth	1	2B	DM	5	3	1	38	4		41	41
					4	DM	4	2					2	2
Total	31	13	6	11			49	88	23	124	27		262	262
V. Archæology			Tarbell	1	1	DM		1					1	1
Total		1	1	1				1					1	1

On leave of absence : *Strong, Bulkley ; *Schwill.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't		INSTRUCTION.				REGISTRATION OF STUDENTS.							
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
VI. Sociology ³			Small	3	28	DM	4	11				2	13	
			Henderson	2	27	DM	4	9	1		1	2	13	38
					24	DM	4	7	3			2	12	
					15	M						2	12	
			Talbot	2	18	M	4	1	2			2	28	69
			Starr	3	19	M	4					2	5	7
					10	DM	4	1		1			1	
					11	DM	4			4			1	
					1	DM	4	3					1	
					2	DM	4						1	
					4	DM	4	3	3		1		11	16
Total	17	11	4	10			48	39	8	7	6	69	130	130
VII. Comparative Religion			Goodspeed	1	1	DM	4	2	1	1		2	6	6
Total	2		1	1			4	2	1	1		2	6	6
VIII. Semitics ⁴			Harper, W.	3	102	DM	4	4				1	5	
					42	DM	4					21	28	
					87	DM	4	5	2	1		7	13	43
			Goodspeed	1	30	DM	4	2	1		1	6	10	10
			Harper, R.	3	68	DM	4					5	5	
					72	DM	4	2				1	3	
					74	DM	4						2	10
			Price	1	38	DM	4					3	3	3
			Kent	1	29	DM	4			2	1	5	8	8
Total	4	1	5	9			36	13	3	3	4	51	74	74
IX. Biblical and Patristic Greek ⁵			Burton	1	20	DM	4					28	28	28
			Mathews	1	10	DM	4	1				54	55	55
			Arnolt	1	49	M	4					1	1	1
Total	2	1	3	21			12	1				83	84	84
X. Comparative Philology			Buck	2	1	M	4	6					6	6
					2	M	4	2					2	2
					4	DM	4	2					2	2
Total	3	5	1	2			12						10	10
XI. Greek ⁶			Shorey	2	23	DM	4	19	6	2			27	
					28	DM	4	6					6	33
			Tarbell	2	5	DM	4	2		11			13	
					11	DM	4	2					2	15
			Castle	2	2	DM	5			17			17	
					15	DM	4	7	3	8			18	35
			Owen	2	1	DM	5	1	1	9	1		12	
					3	DM	5	1	1	10			12	24
Total	18	15	4	8			35	38	11	57	1		107	107
XII. Latin ⁷			Hale	2	33	DM	4	21	5	1	1		28	
					36	DM	4	14					14	42
			Chandler	2	16	DM	4	10	5	3	1		19	
					35	DM	4	4	1	1			6	25
			Miller	2	5a	DM	5	2	1	15	2		20	
					6a	DM	5	1		30	2		33	53
			Moore	1	4a	DM	5	3	1	29	2		35	35
			Walker	2	1	DM	5			1	1	1	3	
					4a	DM	5		2	31	3		36	39
Total	21	16	5	9			39	55	15	111	12	1	194	194

On leave of absence: ³Vincent; ⁴Crandall (1st Term), Breasted; ⁵Arnolt (2d Term); ⁶Capps; ⁷Abbott.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.						REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.	
XIII. Romance *			Bergeron	4	1b 4 7	DM DM DM	4 4 4	 2 1	2 2 1	16 12 12	4 3 3	1	23 22 22	63	
			Howland	3	10 28 31	DM DM DM	4 4 4	 5 4	 2 1	1 20 1	11 1		33 3 1		
			de Poyen	3	13 16 19	DM DM DM	4 4 4	1 3 1	1				3 1 1		
			Wallace	1	23	DM	4	4		1	2		4 3		
	Total	6	2	4	11			45	12	9	64	30	1	116	116
XIV. German			Cutting	3	1 29	DM DMM	4 10	3 4		1 2	2 33	2 12		6 51	57
			Schmidt-Wartenberg	2	13 14	M M	4 4	2 4	2				2 4		
			von Klense	3	31 5	DM DM	5 5	1 5	3	26 1	3 3	1	34 9	34	
			Mulfinger	2	21 26	DM DM	4 4	2 1		10 2	4 5		16 9		
			Wood	1	27 30	DM DM	4 5	1 5	1	4 8	1 1		5 10		15 10
	Total	10	6	5	11			53	24	7	93	31	1	156	156
XV. English *			Wilkinson	2½	8 63 64	M DM DM	4 4 4	 1 2	5 1 2	3 1 4	6 1 6		14 4 14	32	
			Butler	1	59	DM	4	2	3	8	4		17		
			McClintock	2	18 33	DM DM	5 4	5 16	4	11	13 1		33 17	50	
			Blackburn	2½	23 27	DM DM	4 4	12 4	1	1	4 1		18 5		
			Crow	2	46 36	M DM	2 4	3 2					3 7	26	
			Tolman	2	10a 44	DM DM	5 4	3 7	1	16	1 3		22 11		
			Herrick	3	1c 54	DM DM	5 4	1 2	1	24	4 1		28 7	33	
			Reynolds	1	5 10b	DM DM	4 5	2 5	2	2	1 9		1 32		
			Lovett	1	2	DM	5	1	2	21	6		30		
			Lewis	2	1a 1b	DM DM	5 5	1 1	2	23 20	7 12		33 33	66	
			Triggs	2	38 52	DM DM	4 5	2 3	7 1	3 1	5 1		17 6		
	Total	26	11	11	21			94	69	40	159	87		255	255
XVI. Biblical Lit. in English			Price	1	A17	DM	4				1	19	20	20	
		Votaw	1	B21	DM	4		1	2			22	24	24	
Total			2	2			8		1	2	1	41	44	44	
XVII. Mathematics			Moore	2	14 28	DM DM	4 4	10 3		1			11 3	14	
			Bolza	2	21 23	DM DM	4 4	6 9					6 9		
			Maschke	2	10 16	DM DM	4 4	13 10		4			17 10	27	
			Boyd	2	1a 4	DM DM	4 5	10 12		22			22 37		
			Hancock	2	1b 1c	DM DM	5 5		4	20 12	1 3		15 23	59	
			Dickson	1	1d	DM	5	1	2	20 7	1 11		23 21		
	Total	25	5	6	11			49	64	8	86	16		174	174

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
XVIII. Astronomy			See Laves	1 2	31 Sem. 32 33	DM DM DM	4 4 4	4 4 4	1 1	1 1			6 6 4	12 5
Total	2	5	2	3			12	12	2	2	1		17	17
XIX. Physics			Michelson Stratton Wadsworth	2½ ½ 2	2 7 3 4 10	DMM M ½DM DM DM	8 4 2 4 4	4 2 6 3			1 1		5 3 11 7 3	8 11 10
Total	7	13	3	5			22	15		10	4		29	29
XX. Chemistry ¹⁰			Nef Smith Stieglitz Lengfeld Ikuta	4 3½ 2½ 2 ¼	9 18 20 1 3 20 4 6 23 11 13 15 27	DM DM DMM DM M DMM DM DM ½DM ½DM DM ½DM ½DM	4 4 8 4 4 8 4 4 4 2 2 4 2	9 2 2 2 3 5 5 6 7 6 1	1 5 2	1 28 2 1 1 1 1	2 1 8 2 1 2		12 4 2 43 2 3 10 9 8 2 10 1	18 48 26 20 1
Total	16	5	5	12½			50	49	11	36	17		113	113
XXI. Geology ¹¹			Chamberlin Salisbury Iddings Quereau	2½ 3 2 1	23 21 8 1 9 24 2 3 6 17a	DM M DM DM DM DM M M DM DM DM	4 4 4 4 5 4 4 4 4 4 4	5 2 4 4 4 4 5 3 4		1 25 2	11 3 1		5 1 4 40 13 1 6 3 5	10 54 15 5
Total	7	7	4	8½			41	30	9	28	17		84	84
XXII. Zoölogy			Whitman Wheeler Jordan Wataae	3 2 2 1	1 2 9 13 13 6	DMM DM DMM DM DM DM	8 4 8 4 4 4	11 11 5 1 1 14			3 3 11 1		11 11 10 2 21 15	22 10 23 15
Total	16	1	4	8			32	43	3	15	9		70	70
XXIII. Anatomy and Histology.			Eycleshymer	1 1	1 2	M M	4 4	6 1		2 2	1		9 3	12
Total	1	3	1	1			8	7		4	1		12	12
XXIV. Physiology			Loeb Lingle	2 1	2 3 5	DM DM DM	4 4 5	2 2 2		1 16	2 4	1	4 5 25	9 25
Total	3	8	2	3			13	6	3	17	7	1	34	34
XXV. Neurology ¹²			Meyer	1	1	DM	4	3					3	3
Total		2	1	1			4	3					3	3

On leave of absence: ¹⁰Curtis; ¹¹Holmes, Van Hise, Penrose; ¹²Donaldson.

THE QUARTERLY CALENDAR.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
XXVII. Botany			Coulter	2	1	1 X DM	2	4			1		5	7
			Clarke	1	4	1 X DM	4	2	1	4	1		6	6
Total		1	2	3		DM	8	6	1	4	2		13	13
XXVIII. Elocution			Clark	1	1	M	6	1	1	90	7		98	119
					2		2			9	3	8	21	
Total			1	1			8	1	1	99	10	8	119	119

2. THE FACULTY OF THE DIVINITY SCHOOL.*

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

THE GRADUATE DIVINITY SCHOOL.

DEPARTMENT.	INSTRUCTION.						REGISTRATION OF STUDENTS.						
	Instructors.	Number of DM courses.	Course Number.	DM, DMM M or MM.	Hours per week.		Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
XLIII. Biblical Theology	Burton Price	1	B1 A38	DM DM	4		2				4	6	6
Total	2	2			8		2				8	10	10
XLIV. Systematic Theology	Johnson	1	21	DM	4						15	15	15
Total	1	1			4						15	15	15
XLV. Church History	Hulbert	2	2	DM	4						20	20	41
	Johnson	1	32	DM	4						21	21	34
	Moncrief	2	1	DM	4						34	34	
		2	9	DM	4	1					13	14	7
Total	3	5	15	DM	20	1					96	96	96
XLVI. Homiletics	Anderson	2	2	DM	4					4	33	37	
	Henderson	1	1	DM	4				1		14	15	52
Total	2	2½	5	M	12				1	4	63	68	68

*For the report on the Departments of Old Testament Literature and Interpretation and New Testament Literature and Interpretation, see Departments VIII. and IX. of the Schools of Arts, Literature and Science.

For the report on the English Theological Seminary, see above, Department XVI.

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

DEPARTMENT.	INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
L. Old and New Testament Literature	Gundersen	2	11 10	DM LM	4 4					11 6	11 6	11 6
Total	1	2			8					17	17	17
LI. Systematic Theology	Jensen	2	1 2	M M	4 4					9 9	9 9	9 9
Total	1	2			8					18	18	18
LII. Homiletics and Pastoral Theology	Jensen	1	2	DM	4					4	4	4
Total	1	1			4					4	4	4

THE SWEDISH THEOLOGICAL SEMINARY.

LIV. Old and New Testament Literature	Morten	3	1 2 3	M M MM	4 4					20 11 11	20 11 11	20 11 11
Total	1	3			8					42	42	42
LVI. Systematic Theology and Pastoral Duties	Lagergren	2	4 5	MM MM	8 8					9 9	9 9	9 9
Total	1	2			8					18	18	18

COMPARATIVE REGISTRATION OF AUTUMN QUARTER, 1894, AND
WINTER QUARTER, 1895.

	REGISTRATION OF AUTUMN QUARTER. (As in Autumn Calendar.)			ADDITIONAL REGISTRATIONS. (After issue of Calendar.)			COMPLETE REGISTRATION OF AUTUMN QUARTER.			WITHDRAWN AT CLOSE OF AUTUMN QUARTER.			ENTERING BY MATRICULATION OR PROMOTION. (Winter Quarter.)			REGISTRATION OF WINTER QUARTER.		
	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.
Graduate School.....	171	89	260	12	2	14	183	91	274	25	12	37	28	19	47	186	98	284
Non-res. Grad. Students	27	4	31				27	4	31	8	2	10	2	1	3	21	3	24
University Colleges.....	*38	27	65	1		1	39	27	66	5	3	8	9	9	13	43	37	80
Academic Colleges.....	197	121	318				197	121	318	19	23	42	20	13	33	198	111	309
Unclassified.....	34	77	*111	2	4	6	36	81	117	6	12	18	14	16	30	44	85	129
Graduate Div. School..	*108		108	2	1	3	110	1	111	11		10	14	1	15	113	2	115
Engl. Theol. Sem.....	*35	5	40				35	5	40	10	1	11	5	1	6	30	5	35
Dan.-Norw. Theol. Sem.	23	2	25				23	2	25				1		1	24	2	26
Swedish Theol. Sem.....	37		37				37		37	1		1				36		36

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* Corrected.

Names repeated.....

9

Total.....	1029
Total Attendance, Winter Quarter, 1894.....	846
Registration for Autumn Quarter, 1894, (Corrected as above).....	1019
Registration for Winter Quarter, 1895.....	1029

INSTITUTIONS FROM WHICH STUDENTS HAVE COME

WITH NUMBER IN EACH CASE.

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.
Acadia University.....	2	..	3	Emporia College.....	1	..	..	Minnesota, University of.....	5	..	1
Adelbert College.....	1	..	..	Evelyn College.....	1	..	..	Mississippi College.....	..	1	1
Agricultural and Mech. Col.	1	..	..	Fisk University.....	1	..	..	Missouri, University of.....	3	..	..
Albion College.....	1	..	..	Franklin College.....	1	..	4	Missouri Valley College.....	1	..	..
Allen's Academy.....	1	1	..	Freedonia Normal School.....	1	..	1	Monmouth College.....	1	1	..
Amherst College.....	1	..	2	Furman University.....	..	..	1	Montana, College of.....	1	..	1
Amity College.....	..	..	1	Garret Biblical Institute.....	..	..	1	Montreal (Villa Marie Conv.)	..	..	1
Augustana College.....	2	..	..	Georgetown College.....	..	..	1	Moody's Bible Institute.....	..	..	2
Aurora High School.....	..	1	..	Grant University.....	1	..	..	Moore's Hill College.....	1	..	..
Baker University.....	..	..	..	Grove City College.....	..	..	1	Morgan Park Academy.....	..	2	..
Bates College.....	..	..	1	Hamilton College.....	..	..	1	Morgan Park Scandinavian	..	..	51
Beloit College.....	3	2	1	Hampden Sidney College.....	..	..	1	Academy.....	..	..	..
Beloit Academy.....	..	..	1	Hanover College.....	1	..	..	Morgan Park Swedish Acad-	..	..	1
Berea College.....	2	..	..	Harvard University.....	9	..	..	emy.....	..	..	..
Berlin, University of.....	2	..	..	Haverford College.....	2	..	2	Morgan Park Theological	3	..	3
Bethany College.....	1	..	..	Healdsburg College.....	1	..	..	Seminary.....	..	..	..
Borden Institute.....	..	..	2	Highland University.....	1	..	..	Mt. Hermon School.....	1	..	1
Bowdoin College.....	3	..	..	Hillsdale College.....	4	..	..	Mt. Morris Academy.....	..	..	..
Brown University.....	4	..	4	Hiram College.....	5	..	..	Nashville, University of.....	2	..	..
Bryant Business College.....	1	..	2	Hope College.....	1	..	1	National Normal University.....	2	..	1
Bryn Mawr College.....	1	..	..	Howard Payne College.....	1	..	..	Nebraska, University of.....	2	..	1
Buchtel College.....	1	..	..	Hulme Cliff College.....	..	..	1	Newton Theological Semi-	1	..	1
Bucknell University.....	2	1	7	(Sheffield, England).....	..	..	1	nary.....	..	..	..
Buena Vista College.....	1	..	..	Illinois College.....	2	..	..	New York, University of the	2	..	..
Bushnell University.....	1	..	..	Illinois Normal University.....	1	..	2	City of.....	..	..	..
Butler University.....	..	1	..	Illinois, University of.....	3	1	..	North Dakota, University of.....	1	..	1
California College.....	..	..	1	Illinois Wesleyan College.....	3	..	..	North Division High School.....	1	..	..
California, University of.....	4	..	1	Indiana, Medical College of.....	1	..	..	Northwest College.....	9	2	1
Cambridge University.....	1	..	..	Indiana, Northern, Nor. Schl.	1	..	..	Northwestern University.....	..	1	..
Carleton College.....	2	1	..	Indiana State Normal School.....	7	..	1	Notre Dame, University of.....	..	..	..
Carthage College.....	1	..	..	Indiana, University of.....	1	..	1	Oberlin College.....	9	1	11
Cedar Valley Seminary.....	..	..	1	Iowa Agricultural College.....	1	..	1	Ohio Normal University.....	..	..	1
Central Bible Seminary.....	..	..	1	Iowa College.....	2	..	..	Ohio Wesleyan University.....	1	..	..
Central College.....	1	..	..	Iowa, State University of.....	4	..	2	Olivet College.....	2	..	1
Central Turkey College.....	..	..	1	Iowa, Upper, University.....	1	..	..	Orooniah College.....	..	..	1
Central Wesleyan College.....	2	..	..	Jacksonville High School.....	..	..	1	(Persia).....	..	..	..
Chicago, Old University of.....	2	..	..	Kalamazoo College.....	..	2	..	Oskaloosa College.....	..	1	..
Chicago, The University of.....	19	..	1	Kansas, University of.....	1	..	..	Ottawa University.....	1	..	10
Chicago Theological Semi-	..	..	4	Kentucky University.....	..	2	1	Otterbein University.....	1	..	..
nary.....	1	..	..	Knox College.....	3	..	..	Oxford University.....	1	..	..
Christian University.....	1	1	..	Lafayette College.....	1	..	..	Peddle Institute.....	..	1	..
Clinton College.....	1	..	..	La Grange College.....	1	..	2	Penn College.....	1	2	..
Coe College.....	2	1	2	Lake Forest University.....	2	..	1	Pennsylvania, University of.....	1	..	1
Colby University.....	..	..	9	Lake High School.....	..	1	..	Pillsbury Academy.....	..	..	1
Colgate University.....	7	..	..	Landshut Real Gymnasium	..	1	..	Pomona College.....	..	..	1
Colorado Agricultural College	1	..	..	(Germany).....	1	..	..	Princeton College.....	2	..	3
Colorado, University of.....	1	..	1	Lawrence University.....	1	1	..	Racine College.....	1	..	..
Columbia College.....	1	1	..	Leland Stanford, Jr., Univ.	1	..	1	Rawitch Real Gymnasium.....	..	1	..
Cook Academy.....	..	..	1	Lincoln University.....	..	..	1	Richmond College.....	..	..	1
Cornell College.....	..	..	..	Lombard University.....	2	..	1	Rochester Theological Sem.	..	..	1
(Iowa).....	5	1	..	Lyons High School.....	..	1	..	Rochester, University of.....	3	2	2
Cornell University.....	5	..	..	Maine State College.....	1	..	..	Rockford Seminary.....	..	1	..
Cotner University.....	1	1	..	Marash Theological Semi-	1	..	..	Rutgers College.....	1	..	..
Crozer Theological Seminary	1	..	2	nary (Turkey).....	..	1	..	St. John's College.....	1	..	..
Cumberland University.....	..	..	1	Marietta College.....	4	..	1	St. Lawrence University.....	1	..	..
Dalhousie College.....	1	..	1	Massachusetts Agricultural	..	..	1	Savannah University.....	1	..	..
Dartmouth College.....	1	..	1	College.....	..	..	1	Seabury Divinity School.....	..	..	1
Davidson College.....	..	..	8	Massachusetts Institute of	..	1	..	Shurtleff College.....	..	..	1
Denison University.....	6	..	..	Technology.....	1	1	..	Simpson College.....	1	..	..
De Pauw University.....	7	..	..	McGill University.....	1	..	..	Smith College.....	3	2	..
Des Moines College.....	2	..	4	Michigan State Nor. School.....	..	..	2	South Dakota Agricultural	..	..	1
Dickinson College.....	1	..	..	Michigan, University of.....	13	7	..	College.....	..	2	..
Doane College.....	1	..	..	Middlebury College.....	1	..	..	South Division High School.....	..	2	..
Drake University.....	2	..	1	Milligan College.....	..	..	1	Stockholm Baptist Theolog-	..	..	1
Drury College.....	..	1	1	Milton College.....	..	..	1	ical Seminary (Sweden).....	..	..	..
Earlham College.....	4	..	..	Minnesota, University of.....	..	..	1	Syracuse University.....	2	..	..
East London Institute.....	..	..	1	Mississippi College.....	..	..	..	
Elmira College.....	1	..	..	Missouri, University of.....	..	..	..	

1. GRADUATE SCHOOL, UNIVERSITY COLLEGES, AND DIVINITY SCHOOL.—Continued.

	Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.		Graduate School.	University Colleges.	Divinity School.
Tennessee, University of.....	1	..	..	Wabash University.....	1	..	..	William Jewell College.....	1	..	2
Texas State Normal School.....	..	1	..	Wafford College.....	1	..	..	Williams College.....	1	..	..
Texas, University of.....	1	..	..	Wake Forest College.....	12	..	..	Wilmington College.....	1	..	1
Toronto, University of.....	4	2	..	Wellesley College.....	12	3	..	Wisconsin State University.....	1	..	..
Trinity College.....	..	..	1	Wesleyan Theological College.....	1	..	..	Wisconsin, University of.....	5	..	..
Trinity University (Texas).....	2	..	..	Wesleyan University.....	3	..	..	Woods Holl.....	1	..	..
Vanderbilt University.....	..	2	1	West Division High School.....	..	1	..	Woodstock College.....	..	..	..
Vassar College.....	12	2	..	Western College (Toledo, Ia).....	1	..	..	(Ontario).....	..	2	..
Victoria University.....	1	..	..	Western Reserve University.....	2	..	..	Wooster, University of.....	..	2	..
Wabash College.....	1	..	..	West Virginia, University of.....	2	..	1	Worcester Academy.....	..	1	..
				Wheaton College.....	..	..	1				
				Willamette University.....	..	..	..	Yale University.....	8	1	1

2. ACADEMIC COLLEGES AND UNCLASSIFIED STUDENTS.

	Academic Colleges.	Unclass. Students.		Academic Colleges.	Unclass. Students.		Academic Colleges.	Unclass. Students.
Adelphi Academy.....	..	1	East Aurora High School.....	1	1	Leroy Union School.....	1	2
Albion College.....	1	..	Elgin High School.....	2	..	Loring's (Mrs.) School.....	1	1
Albion High School.....	1	..	Elmira College.....	1	..	Lupton (Miss) School.....	1	..
Armour Institute.....	1	1	Emporia (Kansas), College of.....	1	..	Lyndon Institute.....	..	1
Baltimore Female High School.....	..	1	Englewood High School.....	11	..	MacDonald Ellis School.....	..	1
Beloit College.....	1	..	Erie High School.....	1	..	Maine Wesleyan College.....	..	1
Beloit Preparatory School.....	1	..	Evanston High School.....	2	..	Manchester High School.....	1	..
Brown University.....	2	..	Evelyn College.....	1	..	Manor Mount Collegiate School (London).....	1	..
Bryn Mawr College.....	..	1	Farming Normal School.....	..	1	Massachusetts Institute of Tech.....	..	1
Bucltel College.....	1	..	Ferry Hall (Lake Forest).....	2	..	Massachusetts State Nor. School.....	..	1
Bucknell University.....	..	1	Furman University.....	1	..	Michigan State Normal.....	..	1
Buena Vista College.....	1	..	Gannett Institute.....	..	1	Michigan, University of.....	6	..
Buffalo Normal School.....	..	1	Geneseo Collegiate Institute.....	..	1	Millersburg Female Seminary.....	1	..
Butler University.....	1	..	Geneseo High School.....	3	..	Minnesota, University of.....	2	..
Carleton College.....	1	..	Glendale Female College.....	..	1	Missouri State Normal School.....	1	1
Cedar Rapids (Iowa) High School.....	..	1	Hanover College.....	2	..	Morgan Park Academy.....	26	8
Cedar Valley Seminary.....	1	2	Harvard College.....	2	..	Mt. Hermon School.....	..	1
Chautauqua Coll. of Lib. Arts.....	5	1	Harvard School.....	5	..	(Northfield, Mass.).....	..	1
Chicago Academy.....	..	1	Hedding College.....	1	..	Mt. Holyoke College.....	2	..
Chicago Female College.....	..	1	Herrig (Miss) School.....	..	1	Mt. Holyoke Seminary.....	1	..
Chicago High School.....	12	1	Hillsdale College.....	1	..	Mt. Morris College.....	1	1
(West Division).....	..	..	Hope College.....	2	..	New Lyme Institute.....	..	1
Chicago High School.....	5	..	Howard University.....	1	..	New York, College of the City of.....	1	..
(North Division).....	..	..	Hutchinson's (Miss) School.....	1	..	New York State Normal School.....	1	..
Chicago High School.....	2	..	Hyde Park High School.....	19	4	Northern Indiana Normal School.....	1	1
(Northwest Division).....	..	..	Illinois College, Northern.....	1	..	Northwestern Academy.....	..	1
Chicago High School.....	17	5	Illinois Female College.....	..	1	Northwestern Normal School.....	1	..
(South Division).....	..	..	Illinois Normal University.....	8	2	Northwestern University.....	10	..
Chicago Institute of Technology.....	1	1	Illinois Wesleyan University.....	6	1	Notre Dame, University of.....	1	..
Chicago Manual Training School.....	1	1	Indiana Normal School.....	..	1	Oak Park High School.....	1	..
Chicago, Old University of.....	2	..	Indiana University.....	..	1	Oakland City College.....	..	1
Chicago Preparatory School.....	2	..	Indianapolis High School.....	..	1	Oakland High School.....	1	1
Coe College.....	1	..	Iowa College.....	3	1	Oberlin College.....	3	2
Colgate University.....	1	..	Iowa, University of.....	1	..	Ohio Wesleyan College.....	3	..
Colorado Springs High School.....	1	..	Jamestown High School.....	1	..	Omaha (Iowa) High School.....	2	..
Colorado, University of.....	..	1	Jennings Seminary.....	1	..	Omaha, University of.....	1	..
Columbian College.....	1	..	Johns Hopkins University.....	1	..	Oneida High School.....	2	..
Cook Academy.....	1	..	Kemper Hall (Wis.).....	..	1	Oswego Normal and Training School.....	..	1
Cook County Normal School.....	..	2	Kentucky University.....	1	..	Ottawa High School.....	1	..
Corcoran Scientific School.....	..	1	Kenwood Institute.....	3	..	Packer Institute.....	..	1
Cornell College.....	2	..	Kenyon Military Academy.....	1	..	(Brooklyn, N. Y.).....	2	..
Cornell University.....	1	..	Kirkland School, Chicago.....	1	2	Peoria High School.....	1	..
Creston High School.....	..	1	Lake Forest Academy.....	1	..	Pennington Seminary (N. J.).....	1	..
Cuthbert's (Mrs.) Ladies' Sem.....	..	1	Lake Forest College.....	2	..	Phillips Academy (Andover).....	1	..
Decatur High School.....	2	..	Lake High School.....	2	..	Phillips Exeter Academy.....	1	..
De Pauw University.....	4	..	Lake View High School.....	1	..	Plainfield High School.....	1	..
Des Moines College.....	2	..				Polytechnic Institute.....	1	..
Detroit High School.....	..	1				Pontiac High School.....	..	1
Drake University.....	1	..						
Earlham College.....	1	..						

ADDITIONAL REMARKS.

THE GRADUATE SCHOOL.

Persons holding Fellowships—Autumn Quarter, 1894.....	78
Residents of Southern States.....	6
Residents of Eastern and Middle States.....	13
Residents of Western States.....	49

FELLOWS' REPORT.

The number of Fellows reporting during the Autumn Quarter, 1894, was 66.

Members of classes in the University - - -	64	Assisting in examinations - - -	10
Engaged on thesis work for degrees - - -	21	Teaching in the University (including laboratory assistants) - - -	8
Reporting other private advanced work - - -	32	Teaching in the University Extension Division	5
Reporting papers prepared for University organizations - - -	17	Engaged in remunerative occupations outside the University - - -	8
Total number of papers prepared - - -	21	a) Teaching - - -	6
Reporting books or articles published (12 in all)	10	b) Preaching - - -	2
Assisting in University Libraries - - -	32		
Assisting in preparation of University Journals -	11		

THE COLLEGES.

Of the 318 students in the Academic Colleges, 143 were in the College of Arts, 125 in the College of Literature, and 50 in the College of Science.

Of the 65 students in the University Colleges, 40 were in the College of Arts, 19 in the College of Literature, and 6 in the College of Science.

Of the 318 students in the Academic Colleges, 75 were residing in the University Houses.

Of the 65 students in the University Colleges, 15 were residents of the University Houses.

289 students presented themselves for the examination for admission held in December. Of these, 200

presented themselves at the University, 67 at the Morgan Park Academy, 34 at the Chicago Academy, 25 at the Harvard School, 11 at the Kenwood Institute, 9 at La Grange, Ill., 9 at Aurora, Ill., 7 at Warren, Ill. Of these, 15 were admitted to the Academic Colleges.

It is to be observed, however, that only a minority of those examined in any given quarter are taking final examinations. Applicants generally take their examinations at two or more dates. This will explain the apparent disproportion between the number examined and the number admitted.

THE UNCLASSIFIED STUDENTS.

Number of Academic College courses taken by Unclassified Students, 34; number of University College and Graduate courses, 62.

Course registrations of Unclassified Students in the

Academic Colleges, 162; in the University Colleges, and the Graduate School, 134.

Of the 113 Unclassified Students, 20 were residents of the University Houses.

Physical Culture and Athletics.

THE GYMNASIUM.

MEN'S DEPARTMENT.

Five classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate and Divinity Schools, 18; University and Academic Colleges, 145; Unclassified, 7; number practicing football and baseball, 43.

Number of men measured and examined, 214.

Number of men for whom special work has been provided, 31.

WOMEN'S DEPARTMENT.

Four classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Divinity School, 2; University Colleges, 5; Academic Colleges, 31; unclassified, 25; number of examinations taken, 50.

ATHLETICS.

FOOTBALL.

The following table gives the age, weight, and height in inches of each member and substitute on the University Football team:

	AGE.	W'GHT.	H'GHT
A. R. E. Wyant, c.....	27	165	74.1
C. W. Allen (Captain) r.g.....	29	174.3	72.1
W. Rulkoetter, l.g.....	30	187.5	70.3
C. F. Roby, r.t.....	22	175	70.3
G. N. Knapp, l.t.....	27	170.3	71.4
J. Lamay, r.e.....	21	149.2	67.7
H. G. Gale, l.e.....	30	153.3	71.4
F. E. Haring, q.b.....	30	145.2	67.9
F. D. Nichols, r.h.....	34	161.5	70.6
H. Coy, l.h.....	19	150	68.3
A. A. Ewing, l.h.....	26	142	70.2
E. B. Hirschberger, f.b.....	18	142.1	67.3
E. Yundt, l.e.....	25	155.5	67.3
N. W. Flint, c.....	25	185	73.8
W. E. Garrey, sub.....	21.7	151.3	69.1
H. W. Black, sub.....	23.4	168.3	67.1
E. McCaskill, sub.....	28.5	184	68.6
R. W. Tooker, sub.....	19	155	68.1

The games which have been played, with the scores, are as follows:

Sept. 8.	University vs.	Englewood High School.....	32-0
Sept. 15.	"	Englewood High School.....	22-0
Sept. 22.	"	Manual Training School.....	46-0
Sept. 29.	"	Chicago Athletic Association.....	4-12
Oct. 6.	"	Northwestern University.....	46-0
Oct. 11.	"	Rush Medical.....	14-4
Oct. 13.	"	Beloit.....	16-0
Oct. 17.	"	Chicago Athletic Ass'n (2d Term).....	20-0
Oct. 20.	"	University of Wisconsin.....	0-30
Oct. 24.	"	Chicago Athletic Association.....	0-30
Oct. 27.	"	University of Iowa.....	18-18
Oct. 31.	"	Prairie Athletic Association.....	26-0
Nov. 3.	"	Purdue University.....	6-10
Nov. 7.	"	Englewood Y. M. C. A.....	4-0
Nov. 10.	"	Lake Forest University.....	28-0
Nov. 21.	"	University of Illinois.....	10-6
Nov. 24.	"	Northwestern University.....	36-0
Nov. 29.	"	University of Michigan.....	4-6

During the Christmas Holidays the team took a trip to California to play the Stanford University eleven, the champion college team of the Pacific Coast region. The game was played on Christmas day in San Fran-

cisco, and was won by Chicago—score, 24 to 4. An exhibition game was played with Stanford at Los Angeles December 29, which Stanford won by a score of 12 to 0. Sickness and lack of condition prevented Chicago from winning this game, as well as one played on January 1, in which the Reliance Athletic Club defeated the University 6 to 0. The University defeated the Young Men's Christian Association team of Salt Lake City, champions of Utah, January 4, by a score of 52 to 0.

More than 6200 miles were traveled in making this trip, which is the longest football tour on record. It was the first time that a football team had crossed the Rocky Mountains.

FINANCIAL STATEMENT.

The following financial report of the athletics of the University was presented before the Board of Physical Culture and Athletics by Horace Butterworth, Treasurer, and was audited by Professor R. F. Harper and Professor O. J. Thatcher, the Auditing Committee appointed by the Board:

FOOTBALL.

		GAIN.	LOSS.
1892 Receipts.....	\$ 723.92		
Expenses.....	639.33	\$ 90.59	
1893 Receipts.....	2,792.20		
Expenses.....	2,421.99	370.21	
1894 Receipts.....	5,841.17		
Expenses.....	4,501.38	1,339.79	

BASEBALL.

		GAIN.	LOSS.
1892 Receipts.....	\$ 451.22		
Expenses.....	639.15		\$237.93
1894 Receipts.....	1,011.82		
Expenses.....	894.13	\$117.69	

FOOTBALL FIELD.

		GAIN.	LOSS.
1894 Receipts from Subscriptions.....	\$ 835.50		
Expenses.....	1,311.15		\$445.65

The Official and Semi-Official Organizations.

THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

AUTUMN MEETING, NOVEMBER 9, 1894.

Theatre, Kent Chemical Laboratory.

PAPERS:

Nature and Methods of Political Economy.
R. F. HOXIE.
(Political Economy Club.)

Geometrical Transformation—A Modern Method.
ALICE B. GOULD.
(Mathematical Club.)

The French Creole in the West Indies.
DR. RENÉ DE POYEN-BELLISLE.
(Romance Club.)

THE PHILOLOGICAL SOCIETY.

AUTUMN MEETINGS, OCTOBER 19 AND NOVEMBER 30, 1894.

Room B 8, Cobb Lecture Hall.

PAPERS:

Greek Optative and Latin Subjunctive in the Indirect Discourse.

HEAD PROFESSOR W. G. HALE.

Comparison of the Oscan-Umbrian Verb system with that of the Latin.

ASSOCIATE PROFESSOR CARL D. BUCK.

"Totus" in Old French and Provençal.

DR. RENÉ DE POYEN-BELLISLE.

The Japanese Language.

E. W. CLEMENT.

THE DEPARTMENTAL CLUBS.

OCTOBER-DECEMBER.

Papers presented before

THE BIOLOGICAL CLUB.

The Limits of the Divisibility of Living Matter. ASSISTANT PROFESSOR LOEB. Dec. 12.

THE CHEMICAL CLUB.

On the Nitramines. F. B. DAINS.

The Diazo Compounds. PROFESSOR J. U. NEF. Oct. 19.

The Oscillating Double-Bond Hypothesis. B. C. HESSE.

The Preparation of Metals at High Temperatures. S. E. SWARTZ. Oct. 26.

On Dihydroresorcine. DR. BERNHARD.

Nitrous Anhydrite. DR. F. LENGFELD. Nov. 2.

On p. Methylendihydrobenzoic Acid. O. K. O. FOLIN.

Nitrous Anhydrite. DR. F. LENGFELD. Nov. 9.

The Action of Alkalies on Nitroetham. N. E. GOLDTHWAITE.

On Flame Reactions. ASSISTANT PROFESSOR SMITH. Nov. 23.

On Hydroxylamin and its Alkyl Substitution Products. L. W. JONES.

On Acetylen Derivatives. LEO THÜRLIMANN. Nov. 30.

On the Diffusion of Liquids. CHARLES KINNEY.

On Photo-Chemistry. DR. THURNAUER. Dec. 7.

The Unsaturated Fatty Acids. DR. CURTISS.

The Manufacture of Hydrocarbons by Means of a Zinc-Copper Couple. ELIZABETH JEFFREYS. Dec. 14.

THE CHURCH HISTORY CLUB.

A Visit to the Cities of the Reformation in Germany.

ASSOCIATE PROFESSOR F. JOHNSON. Oct. 9.

Some Suggestions from a Study of Dante's "De Monarchia."

ASSISTANT PROFESSOR J. W. MONCRIEF. Oct. 30.

Philosophic Standpoint of Methodism in its History, Polity, and Doctrine.

PROFESSOR M. S. TERRY
(Garrett Biblical Institute). Nov. 20.

Unitarian Congregationalism.

REV. WM. W. FENN
(First Unitarian Church, Chicago). Nov. 27.

The Historic Episcopate.

REV. J. F. HALL, PH.D.
(Western Union Seminary, Chicago). Dec. 11.

THE CLASSICAL CLUB.

Retrograde Writing in Greek Vase-Inscriptions.

PROFESSOR FRANK B. TARBELL.

The Archery Contest in the Odyssey.

DR. G. B. HUSSEY. Oct. 26.

The Criticism of the Platonic Canon.

W. A. HEIDEL.

Abstracts and discussion of certain syntactical papers in recent journals.

A. T. WALKER. Nov. 22.

The Order of Composition of the Books of the Æneid.

CLIFFORD H. MOORE.

Greek and English Idioms in Jebb's Sophocles.

E. G. DODGE. Dec. 14.

THE COMPARATIVE RELIGION CLUB.

The Religious Ideas of the Japanese.

PROFESSOR E. W. CLEMENT
(Hyde Park High School). Oct. 18.

Notes on Mexico, Old and New.

ASSISTANT PROFESSOR STARR. Nov. 15.

Semitic Religions.

Papers by members of the Club. Dec. 21.

THE ENGLISH CLUB.

A Modern Allegory.

OSCAR L. TRIGGS. Oct. 16.

Miracle Plays in Modern Spain.

MRS. FANNY HALE GARIDNER. Oct. 30.

Journal Meeting.

Nov. 20.

THE GEOLOGICAL CLUB.

The Results of the Glacial Studies in Greenland during the Summer of 1894.

HEAD PROFESSOR THOMAS C. CHAMBERLIN. Oct. 24.

Recent Investigations upon the Lower Cambrian Rocks.

PROFESSOR C. D. WALCOTT. Oct. 29.

The Discovery of Radiolaria in Pre-Cambrian Rocks.

DR. E. C. QUERREAU.

Notes on Stagnant Ice Deposits in Northern New Jersey.

H. B. KÜMMEL. Nov. 7.

The Character and Work of George Huntington Williams.

ASSOCIATE PROFESSOR J. P. IDINGS.
(Published in *Journal of Geology*,
Vol. II, No. 8.)

Notes on the Geology of Devil's Lake, Wisconsin.

E. C. PERISHO. Nov. 21.

Reviews: By ASSOCIATE PROFESSOR IDINGS,
of "Verlauf der Grönland Expedition
der Gesellschaft für Erdkunde, von
Dr. Erich von Drygalski," and "Gran-
ites and Greenstones, by Frank
Butley."

Dec. 5.

THE GERMANIC CLUB.

The Editions of Grimmshausen's Simplicius Simplicissimus.

PAUL O. KERN.

Stellung und Ideale des Schwäbischen Dichterkreises.

ASSOCIATE PROFESSOR STARR W. CUTTING. Oct. 8.

Schiller's Recension von Goethe's Egmont.

G. A. MÜLFINGER.

- General Remarks on the Character and Development of the Nature Sense.*
DR. CAMILLO VON KLENZE. Oct. 15.
- The Reduplicating Verbs in Germanic.*
F. A. WOOD.
- The Boundaries of the German Language.*
JESSIE L. JONES. Oct. 22.
- Stimmlose Media, illustrated by experiments.*
ASST. PROFESSOR H. SCHMIDT-WARTENBERG.
- Die Fabel des Schillerschen Wallenstein. I.*
ASSOCIATE PROFESSOR STARR W. CUTTING. Oct. 29.
- Much's Articles in Paul und Braune's Beiträge, Vol. XVII.*
Die Südmark der Germanen, Die Germanen am Niederrhein, Goten und Ingvæonon.
PAUL O. KERN.
- Die Fabel des Schillerschen Wallenstein. II.*
ASSOCIATE PROFESSOR STARR W. CUTTING. Nov. 5.
- Das Naturgefühl bei den Alten. I.*
DR. CAMILLO VON KLENZE.
- Schiller's Verhältniss zu seinen dänischen Freunden.*
F. E. R. LINFIELD. Nov. 12.
- Otfrid's Versification.*
G. A. MULFINGER.
- Zeitschrift für deutsches Alterthum, 1893, Heft 1.*
JESSIE L. JONES. Nov. 19.
- Das Naturgefühl bei den Alten. II.*
DR. CAMILLO VON KLENZE.
- Etymological Notes. I.*
F. A. WOOD. Nov. 26.
- Der Geschlechtswechsel der Substantiva im Germanischen. I.*
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG.
- Etymological Notes. II.*
F. A. WOOD.
- Zeitschrift für deutsches Alterthum, 1893, Heft 2.*
JESSIE L. JONES. Dec. 3.

- Der Geschlechtswechsel der Substantiva im Germanischen. II.*
ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG.
- Die Metrik des Reinaert. I.*
G. A. MULFINGER. Dec. 10.
- Naturgefühl der Renaissance und der Neuzeit (besonders in Deutschland).*
DR. CAMILLO VON KLENZE. Dec. 17.

THE LATIN CLUB.

- The Phœnician Queen: An Epic Tragedy.*
ASSISTANT PROFESSOR F. J. MILLER. Dec. 8.

THE MATHEMATICAL CLUB.

- A configuration of 36 points, 27 lines, 36 planes, a special case of which leads to Klein's hyperelliptic configuration of 40 points, 90 lines, 40 planes.*
PROFESSOR E. HASTINGS MOORE. Oct. 13.
- On the Conception of Limit.*
PROFESSOR OSKAR BOLZA. Oct. 27.
Dedekind's definition of irrational numbers; upper and lower limit of a mass of points; DuBois-Reymond's limit of indetermination with applications to the conception of derivative.
- On Cyclic Numbers.*
L. E. DICKSON. Nov. 10.
A number of D digits written to the base N must be of the form a/p ($N \nmid p$), where a is its first digit and $p < N$, in order to possess D multiples containing the digits of that number permuted cyclicly. Discussion of above form and of the properties of such cyclic numbers.
- On the Conform Representation of Surfaces.*
S. A. JOFFE. Nov. 24.
Account of Gauss' Memoir on the Conformal Representation of one surface upon another, with application to sphere and spheroid.
- On Minimal Surfaces.*
DR. HANCOCK. Dec. 8.
Proof of the fundamental property of minimal surfaces concerning the principal radii of curvature. Conform representation upon sphere by means of parallel normals. Experimental illustration by means of soap bubbles.

THE NEW TESTAMENT CLUB.

Clement of Rome.

Text: HEAD PROFESSOR E. D. BURTON.

Canon: ASSOCIATE PROFESSOR MATHEWS.

Polity: E. J. GOODSPEED. Dec 18.

The club has held journal meetings regularly every four weeks during the quarter.

THE POLITICAL ECONOMY CLUB.

Political Economy as taught in the University.

HEAD PROFESSOR J. LAURENCE LAUGHLIN. Oct. 18.

Buildings and Public Improvements in Chicago.

GEN. S. SMITH. Oct. 25.

"The Baltimore Plan," a Scheme for providing an Elastic Currency.

PRESIDENT J. J. P. ODELL. Nov. 8.

State Ownership of Railroads based upon the Experience of Australia.

WM. HILL. Dec. 6.

THE POLITICAL SCIENCE AND HISTORY CLUB.

The Torrens System of Land Transfer.

MR. HURD. Oct. 24.

The Political Situation in the Orient.

DR. A. WIRTH. Nov. 13.

Municipal Government in Germany.

DR. E. FREUND. Dec. 5.

THE ROMANCE CLUB.

French Feminine Accusatives in "-ain."

THEO. L. NEFF. Oct. 30.

Anglo-Norman Poetry.

ESTHER WITKOWSKY. Nov. 23.

THE SEMITIC CLUB.

On the Lexicography of the Talmud.

PROFESSOR E. G. HIRSCH. Nov. 1.

The Prophecy of Joel. A discussion. Nov. 22.*The Unity of Zechariah.*

DR. N. I. RUBINKAM. Dec. 6.

THE SOCIOLOGY CLUB.

Journal Meeting. Oct. 9.*Municipal Reform.*

REV. W. G. CLARKE, Chicago
(Chairman of the Civic Federation
Committee on Morals). Nov. 6.

Journal Meeting. Nov. 20.*Professor Giddings' "Theory of Sociology."*

Discussion led by
DR. MAX WEST. Dec. 4.

Society in Mexico.

ASSISTANT PROFESSOR F. STARR. Dec. 18.

THE LITERARY SOCIETY OF THE DANO-NORWEGIAN THEOLOGICAL SEMINARY

held ten meetings during the Autumn Quarter, in which, among others, the following subjects were discussed:

Greek Mythology. Nov. 7.*History of Poland.* Nov. 14.*Biography of Platen.* Nov. 21.*Alexander the Great.* Nov. 23.*Biography of Irenæus.* Dec. 5.

ABSTRACT OF PAPERS

Read before the University Union, the Philological Society, and the Departmental Clubs.

NATURE AND METHODS OF POLITICAL ECONOMY.

R. F. HOXIE.

The purpose of this paper was to answer certain thoughtless criticisms passed upon Political Economy and the methods employed by Economic teachers, by considering briefly: (1) What Political Economy is; (2) The aim of Political Economy; (3) Political Economy as a culture study; (4) Political Economy as a practical study; (5) The method of Political Economy; (6) The aim and methods of Economic instruction in the University of Chicago.

(1) Political Economy is one of the moral sciences. It is a study of man in his wealth relations. (2) The aim of the science is to furnish a knowledge of the actual economic conditions and relations of life in order that, human nature being considered, right relations may be established. (3) Political Economy is a source of culture in that it possesses the excellent qualities of the exact sciences, and at the same time draws the attention to the moral motives. (4) Political Economy is a practical study in the sense that it deals with the most urgent problems of the age, the comprehension of which is necessary to progress. (5) The method of Political Economy is the ordinary scientific method, to attack which is to attack all science. (6) The aim of the Economic instruction in the University of Chicago is, not to inculcate beliefs, but to teach men to think in the subject. The methods actually employed are calculated to train leaders in economic thought.

GEOMETRICAL TRANSFORMATION.

[*A Modern Method.*]

ALICE B. GOULD.

To popularize a subject it is only necessary to dwell on generalizations rather than on the facts from which they have been abstracted. The idea that geometry cannot be popular comes from regarding it as a mass of detail. Modern geometry differs from the Greek in having more general principles.

Mathematics may change as much as any other science, since it is always the method and the direction of research and not the facts that change. The modern way of attacking a problem is more apt to be indirect; the correspondence between the parts of one figure (given for instance by a moving point) and those of some other figure (given for instance by a moving and changing sphere) making it possible to transform one question to a very different one. This is our usual method in attempting the question of everyday life.

Three good examples of geometrical transformation are *projection*, *inversion*, and *reciprocation*. Take examples of each, showing that modern pure geometry is characterized (1) by being indirect (as is also analytic geometry), (2) by its classifying figures and propositions more fully than was possible to the Greek geometry, and (3) by dealing largely with descriptive rather than with metrical properties.

THE FRENCH CREOLE IN THE WEST INDIES.

RENÉ DE POTEN-BELLISLE.

French Creole is spoken in the Mascarene Islands, French Guiana, Louisiana and the islands of the West Indian archipelago that belong or have belonged to the French. Even in

some of them where French rule was never exercised, this dialect is the popular language.

Creole is a language produced by the necessity of intercourse between men in an advanced state of civilization, with men in a more primitive state of development, brought into contact with this civilization.

The slaves, brought over from the western coast of Africa to the West Indies, could make themselves understood only by imitating the language used by the white. On the other hand the latter, in order to communicate with those that were destined to serve them, endeavored to simplify as much as possible their language in order to make it possible for the newcomer to understand what they said. The Creole dialect was the result of their combined efforts.

Naturally, the physiological element comes into play. The negro cannot pronounce the sounds exactly as the white does, his vocal apparatus is not exactly similar. His lips are different. Hence phonetic variations arise.

In a pure Creole dialect, therefore, there is to be found nothing but what has come from the language out of which the dialect was formed. As for the differences in sound no other explanation should be sought for than that which is given by physiological causes.

The Creole spoken in the Mascarene Islands, French Guiana, and Louisiana has, owing to foreign influences, become a mixed language. Only the Creole spoken in the West Indies can be considered pure Creole dialect.

Two historical facts are to be borne in mind in connection with the study of this language. 1. That the French settlers who came to the West Indies at the end of the first half of the seventeenth century were Normans, and 2. That when the work of colonization began in the West Indies, Portuguese establishments were already flourishing on the West coast of Africa, and that the first slaves brought over to the French Islands came from the coast of Angola and the islands of Cape Verde.

The first of these facts explains many points connected with the study of the sounds. French *Noyer*, for instance, would never have given in Creole *Neje* if Latin *n* had not remained *n* in the Norman dialect. The second is also noteworthy, particularly in connection with the study of verbs. The Creole conjugation in its active form is constructed by means of an auxiliary, employed in the same manner as in Portuguese Creole; the word *ka* which expresses the idea of continuation of action (Andauer). Moreover, the Creole form *tint* out of French *tentir* and its meaning in Creole, "to have," was evidently influenced by the Portuguese signification.

The most marked traits in the phonology of the French Creole are, the unrounding of front vowels and the tendency toward palatalization. In regard to the forms, the working of the *vis minima* has an almost unlimited sway among them. I may mention here the complete absence of the passive voice. Indeed there is in this dialect no word to express the French *par*.

As to the sources they may be divided into: 1. Tales, 2. Proverbs, 3. Enigmas—these last two being the most original products of the Creole genius. There is, of course, a great deal of so-called "Creole Literature," but, as is generally the case with most dialectic productions, they are mere caricatures and not reliable as a basis of study.

*[*Les sons et les formes du Créole dans les Antilles*, par René de Poten-Bellisle. Baltimore, John Murphy & Co., 1894.]

COMPARISON OF THE OSCAN-UMBRIAN VERB-SYSTEM WITH THAT OF THE LATIN.

CARL D. BUCK.

The paper forms the introductory portion of an article entitled "The Oscan-Umbrian Verb System," which is to appear in the first volume of the *Studies in Classical Philology*. A comparison of the general features of the two verb-systems is given, showing that the points of divergence, though considerable, are far less numerous than the points of agreement, in the creation of new formations as well as in the retention of old. The Latin verbal system was also, in its main features, the Italic.

"TOTUS" IN OLD FRENCH AND PROVENÇAL.

RENÉ DE FOYEN-BELLISLE.

In the oldest stage of the language the declension of the modern French word *tout* is as follows:

toz	tuit
tot	toz.

The history of these forms has been thus far looked upon as very dark; the final *t* points to a Latin form with a double *t*. In fact, several scholars admit that in Vulgar Latin *tottus* appears by the side of *totus*; *tottus*, however, is still considered by many as a doubtful form and various attempts have been made to explain it. Gröber (*Wölflin's Archiv*, VI., p. 129) suggests that it may be due to a tautological use of the word as in Modern Italian "*pian piano*." *Tottotus*, therefore, would be our starting point. Several objections have been raised against this form, the most weighty of all being that the fall of the tonic vowel in *tutto*, French *tout*, is wholly inadmissible. Moreover, even if *tottus* was accepted, all the difficulties would not disappear.

Another explanation for the Italian form *tutto* and one that is more plausible is briefly indicated in Körting's *Wörterbuch* viz: the double *t* can be accounted for from the proclitic use of the word before a vowel sound (*Vokalanlaut*). We would have *tot(o) anno* > *tottanno*, exactly as we have *e(t) bene* > *ebbene* *tot(a) hora* > *tuttora*, *tutto* would be thus far explained; but no satisfactory reason has yet been offered in regard to the change of vowel; Latin *o* cannot give *u* in Italy or anywhere else on the Romance field. It is rather surprising that an immediate cause for that phonetic disturbance should not have been thought of in connection with one of the phonetic phenomena whose manifestations are quite frequent. I am alluding to dissimilation. The final *u* of *totum* becoming regularly *o* in Italian, it is easy to understand why the tonic *o* changed to *u* when followed by a sound of the same nature, particularly if we lend attention to the fact that a closed *o* is generally pronounced with a *u* glide.

The change of *o* > *u* must have taken place before the doubling of the consonant and the row would consequently be:

totum > *toto* > *tuto* + *voc.* > *tutto*.

now, since *tutto* is a special Italian form, it may not be amiss to suggest that in Italy, being the last stronghold of the Latin language, the country where the Latin tongue held its own for the longest time, this dissimilation may have been further helped by the fact that the popular language endeavored also to establish a distinction between its own oblique case and the Latin dative.

The ground is now cleared for the consideration of the French forms. I hold that they are all derived from the regular Latin forms and that their apparent irregularities are wholly due to phonetic causes or analogical influences.

First, one thing is certain, viz. that the Spanish and Portuguese forms are regularly derived from the Latin. If from this

territory we go over to the Provençal districts, we are confronted with a marked phonetic tendency which up to this day is one of the most conspicuous traits of Southern dialects, namely, the frequent use of voiceless dental stops as endings and the presence of a *t*, where it often does not etymologically belong. Cf. Paul Meyer: "D'un emploi non étymologique du *t* final en Provençal," *Romania*, VII., p. 107. Even in French it is not rare to hear the final *t*, for instance in *Soit!* meaning "Let it be so!"

Bearing this in mind, we may easily admit that *tottus* did not give in Provençal *tos* but *toz* (cf. *antius* > *ans*), and *tottum* likewise *tot*.

M. Gaston Paris, (*Romania*, X., p. 42) remarks that *tottus* must have existed because in the modern French we have *tout* and not *teut*. It is true that the regular development of free tonic *ē* is *o* > *ou* > *ex*, while the checked vowel goes only through *o* > *ou* and stops there; but M. G. Paris would cheerfully admit that the same development occurs in quite a number of words, owing to their unaccented position in the stress group, cf. *nos* > *nous*, *vos* > *vous*, *pro* > *pour*.

I believe furthermore that the French forms were directly influenced by the Provençal, and this becomes clearer as we come to the plural forms *tuit* < *totti*, Provençal *tuit*, *tuita*, *tuit*, *tuit*. First, we have here again a change of vowel, but it has been satisfactorily explained by Förster (*Zeitschrift für Romanische Philologie*, III., p. 498). Latin *ē* was "umlauted" by the final *i* before a vowel (*i* and *ī* umlaut under all conditions). The only thing left to explain is the presence, of the *i* before the *t*, and the solution of what has been thus far looked upon as a riddle is given by the study of some Provençal sounds.

In an article (*Romania*, XIV., p. 289) in which he reviews the work of M. F. Armitage (*Sermons du XIIe Siècle en vieux Provençal publiés d'après le MS. 3548 de la Bibl. Nationale*), M. Paul Meyer calls attention to some purely linguistic questions that are raised by the text published. One of them is the peculiarity of the ending in the letter *k* in the case of some past participles in the nominative plural, for instance,

<i>amatus</i> > <i>amatz</i>	<i>amati</i> > <i>amah</i>
<i>amatum</i> > <i>amat</i>	<i>amatos</i> > <i>amatz</i> .

Meyer points out the fact that there is but one ending for the singular subject and plural object, while the singular object and plural subject have each their own endings, and that *ati* gives a different result from the one given by *atum*. He further states that in certain texts (H^{te} Garonne, Aude, Tarn, Aveyron) the *i* of the nominative plural is preserved and gives numerous examples to bear out his statement.

A little farther he adds: "In other territories, particularly in Quercy the *i* instead of forming an atonic syllable, was joined to the tonic syllable . . . the result was for the Latin ending either *ati* or *atig* . . . The same fact is observed in the Provençal *tuit*, *tug*, French *tuit*."

This crumb which M. Meyer, like the rich man, lets fall from his table, I have carefully picked up and it has helped me to forge the last link in my chain of evidence.

Jules Cornu (*Romania*, VII., p. 360, "De l'influence régressive de l'*i* atone sur les voyelles toniques") says: "In *tuit* the attraction, exactly similar to that which we know in a good many other words, is plainly evident and it is not less so in *oi* one of the forms of the imperative of *oir*; for *audt* could give *oi* only through:

odii > *odji* > *ajdji*.

One might be tempted to think that the doubling of the *t*, admitted in order to explain *tuit* and *oi*, is a pure hypothesis which does not rest upon any documentary evidence, but in the translation of the gospel of St. John, we find: *tramesii dicesi-diceti, fexit*, instances that give to it a solid foundation

I take the liberty of altering slightly the formula given for *toti* since M. Cornu accepts the double *t*, for which I have no use; we have then:

tutii > tutji > tutjji.

Since it is quite superfluous to repeat for *tutii* what has already been said in connection with the final *t* for *tox* and *tot*, I venture to hope that I have established what I started out to prove, *viz*: that the French forms are derived from the regular Latin forms and that the peculiarities they present are due to phonetic causes and analogical influences.

The oldest French text in which *tutii* occurs is the Cantilena of St. Eulalia, where, in the twenty-fifth line, we read:

Tutii oram, que par nos degnat preier,

The form *oram* as Diez says, "ist eine der willkommensten;" it shows first, that at the date of the poem, the first person plural in French still agreed with the Latin ending and that the sweeping analogy to *sumus* was not yet a general one. On the other hand, it also proves that the French imperative goes back to the present of indicative and not to the subjunctive; and, what is of more immediate interest to us for the subject we are dealing with, *oram* is also a Provençal form. Indeed Provençal is the background towards which we must turn our eyes in order to see many words in their true light. As an organic whole, it is the oldest in date of the Neo-Latin languages. The Strassburg oaths are strongly Southern in their colouring, and another of our oldest monuments "La Passion du Christ," is a mixture of French and Provençal.

It is, therefore, perfectly legitimate in the present instance to admit this influence and it is gratifying to note that in this case old texts do support an argument that is based upon a dialectic fact.

[This paper will appear in full in the forthcoming number of *The American Journal of Philology*.]

THE LIMITS OF DIVISIBILITY OF LIVING MATTER.

JACQUES LOEB.

The limits of divisibility of living matter are different for different physiological phenomena. The smallest amount of substance of an unsegmented egg of *Arbacia* needed for the production of a *Pluteus* is about one-eighth the substance of the whole egg. The smallest amount needed for the production of a blastula is considerably smaller than for the production of a *Pluteus*. It makes no difference what the position of single parts of protoplasm was in the original egg. In regard to divisibility, the protoplasm of the egg of *Arbacia* can be considered as isotropic.

[This paper, in full, will appear in the volume of *Biological Lectures from the Marine Biological Laboratory at Wood's Hole for 1894*.]

THE DIRECTION OF WRITING ON ATTIC VASES.

F. B. TARBELL.

The paper traced the gradual decline upon Attic vases of the practice of writing from right to left. It was shown that in the early part of the sixth century B. C. potters wrote with equal facility in either direction, but that the right-to-left direction was constantly losing ground, and by 430 B. C. had been abandoned altogether. The paper appears in full in the *Studies in Classical Philology* of the University of Chicago.

THE ARCHERY CONTEST IN THE ODYSSEY.

GEORGE B. HUSSEY.

The feat by which Odysseus shoots through twelve axe-heads placed in a row is something that Homer himself had probably never seen, at least according to our theory. It could have had no more realization than the Shield of Achilles which he describes in the *Iliad*. An arrow could pierce several pieces of armor and perhaps the metal of a single axe-head. In this archery contest Homer has therefore taken a feat that he might have seen performed and multiplied it by twelve. The bronze axes of this period like all axes of a later time had their handles set into them. The usual explanation and the one derived from the scholiasts has consequently been that the arrow was shot through the eyes of the twelve axes. Iron and stone axes from the greater difficulty of working the material were on the contrary probably set into their handles. Of the iron axe of this period we have no examples, and we may therefore conjecture that it was made by simply hammering out a short bar and leaving the metal thicker in the middle and tapering down toward both blades.

These axes were then set up in a row by having their handles buried in a trench. By this arrangement they were more like "ships' keel holders" as the text explains than if the mere axe-heads had been placed with all their eyes in a line. While in this position the arrow, according to our theory, was driven through the metal itself, striking every axe-head at right angles with its side. This would explain: (1) why the axes had to have the earth firmly stamped around them in the trench; (2) why the contest is usually called in the poem "the trial of the bow and the gray iron," as if the material of the axes had something to do with the difficulty of the feat; and (3) why the bow had to be excessively strong.

Of course the feat is really impossible; but no lack of other impossible things had already happened to Odysseus in the course of his voyages. At no point, however, is a miracle more required by the story than here where the last is to prove himself the first. Had Homer known axes of adamant he would have chosen them for Odysseus to perforate; and, as it is he seems according to our theory, to make the arrow pass through the axes in their thickest part by preference.

THE CRITICISM OF THE PLATONIC CANON.

W. A. HEIDEL.

There can be small doubt but that we possess all of the works which Plato published or intended for publication. It is not equally certain that all which is currently accepted as Platonic has sufficient claim to that title. Our earliest ostensibly complete catalogue is dated three centuries and a half after the death of Plato. Yet in the interim certain definite testimony is not wanting. By Plato's pupil, Aristotle, we find the following works sufficiently attested: *Republic*, *Timeus*, *Laws*, *Phædo*, *Phædrus*, *Symposium*, *Gorgias*, *Meno*, *Hippias Minor*, *Theætetus*, *Philebus*, *Sophist*, *Politicus*, *Crito*, *Apology*, *Protagoras*, *Menexenus*; with somewhat less certainty: *Cratylus*, *Charmides*, *Laches*, *Lysis*, *Euthydemus*, *Hippias Major*, *Parmenides*. About a century after Aristotle's death Aristophanes of Byzantium admitted to his canon beside the foregoing: *Critias*, *Minos*, *Epinomis*, *Euthyphro*, and *Letters*, to a number not ascertained. Two centuries later we find the traditional list complete, arranged in tetralogies by Thrasyllus, an astrologer at the court of Tiberius. The attempt has been made to construct a specious chain of argument whereby to claim this entire canon for the time of Xenocrates; but this procedure merely disguises the problem instead of solving it. This becomes

the more evident when we remark that certain of the works received by Aristophanes are among those most certainly spurious.

The task of criticism is therefore to test everything not adequately attested by Aristotle. Hitherto, this has been quite exclusively done by fixing an arbitrary standard of excellence derived from the study of the greatest masterpieces, with a view to ascertain the distinctive marks of genuineness. It has however been pointed out by Karl Friedrich Hermann that we require rather to know the distinctive marks of spuriousness in order to work upwards instead of downwards. The answer to this demand may be saved from falling into a vicious circle by bringing into requisition a number of works yet included with the canon but pronounced spurious by the unanimous voice of critics ancient and modern. To this *corpus vile* we may add certain works received by antiquity but rejected by common consent of recent scholarship. To the former class belong Alcyon, Eryxias, Axiochus, Demodochus, Sisyphus, On Virtue, On Justice; to the latter, the Letters, Minos, and Hipparchus.

By the conscientious and minute study of these obvious imitations of Plato the term "spurious" may acquire a positive connotation, by the application of which to the dialogues really in doubt certain definite results may yet be attained.

In conclusion an effort was made in the paper to exhibit some of the characteristics of this forged literature and to show the conclusions to which they pointed with especial reference to the most doubtful claimants to Platonic origin.

THE ORDER OF COMPOSITION OF THE BOOKS OF THE ÆNEID.

CLIFFORD H. MOORE.

This paper gave a review of the evidence as to the order in which Virgil wrote the several books of the Æneid, and attempted to determine the dates at or near which certain parts of the poem were written.

The evidence is of two kinds: (1) historical references within the poem, and (2) agreements, or inconsistencies and discrepancies, between different parts of the work; to these sources can be added Propertius III, 32 [34], 61-64, and the Lives of Virgil.

It appears from historical references within the Æneid that the following approximate dates can be established for the passages stated: I, 1 ff., before 728/26 (cf. Propertius l. c.); I, 286-296, between Aug. 725/29 and Jan. 727/27; III, 278-283, after 726/28; V, 545 ff., after 727/27; VI, 791-807, 890-898, winter 731. 23 and 732/22 (although VI, 791-807, may have been written as late as 734/20); VII, 601 ff., 734/20; VIII, 671-713, after Jan. 727/27; VIII, 714-728, between Aug. 725/29 and Jan. 727/27 (for reasons stated in the paper as read it is possible that Virgil wrote the entire passage VIII, 671-728, after Jan. 727/27.)

While care must be taken not to push disagreements and inconsistencies of statement too far in such a poem as the Æneid, the evidence points to the following conclusions as to the relative order of composition: III, as a whole, was written first; IV and VI before V (the introductory verses of VI, however, and very probably, VI, 115 ff., containing Æneas' appeal to the Sibyl were written after V—cf. V, 719 ff.); I was composed before IV, V, and VI, but probably later, in great part, than III; II, at least in part, was written after III and IV, probably later than most of VI; VII was composed after VI; the last part of VIII was written at about the same time as I (VIII not improbably was revised, as it is the most complete of all the books); and IX was written after the greater part of V, but V, 286-361, was composed after IX (it is possible to defend the view that V entire

was composed after IX). Books X, XI, and XII furnish no evidence from which we can draw any conclusions as to the date or relative order of their composition.

TWO DEFECTS IN ENGLISH TEACHING, WITH SOME MEANS OF REMEDY.

L. A. SHERMAN.

It was pointed out as the first defect, that the average student is led or allowed to think that he must do some great thing when he puts his thoughts to paper. He is, at least, not prevented from assuming that it is not the organic effective expression of his thought, but the translation of it into formal, bookish diction that is wanted. His exercises in composition thus easily become, not studies in idiomatic phrasing, but in formalizing the normal, and in predicating the obvious. The chief fault in the English of college candidates is this of inorganic, forced, abnormal sentence-making. It was shown that a student, trained in this way, if he ever learns to write well, must first unlearn all his first principles and processes. He must give up his formalism for normalism, and learn the formal modes, after that, anew. Certain methods devised by progressive grade-teachers in the East were considered, and some suggestions touching later secondary and college work were added.

As the second defect, it was shown that our primary and secondary instruction in literature permits, and often fosters, unrealizing reading. It was urged that no proper college study of æsthetic compositions can be carried on until the student has learned to read interpretingly the authors chosen for critical work. Certain means by which this defect can be remedied in the secondary schools were suggested and discussed.

MEDIÆVAL ALLEGORY.

OSCAR L. TRIGGS.

1. Eastern allegory, the fable and apologue. Influence of the Orient upon the West at the time of the Moorish invasion of Europe and the Crusades. Cf. Fables, *Bestiaires*, etc.

2. Influence of the Greek and Latin writers. The Platonic "Myths." The Neo-Platonists. Instances of allegorical characterization—e. g., Fortune and Philosophy, by Boethius. Transition to Symbolism.

3. Phenomena attending the development of allegorical literature: (a) Mystical interpretation of Scripture by the Church Fathers and the Scholastic Philosophers; (b) The allegorizing of the pagan legends and literature; (c) the personification of the abstractions of the Platonic philosophy; (d) picture histories, uncritical encyclopædias and wonder-books of science.

4. Allegorical literature. The allegorical literature of the continent discussed in its threefold character of didactic, chivalric and amatory discourse; cf. the development of symbolism in pictorial art and in architecture. In Middle English literature two types are represented: (1) the religious and didactic type with an occasional introduction of the chivalric idea—e. g., Grosseteste's *Chateau d'amour*, parables in *Cursor Mundi*, Rolle's *Pricke of Conscience*, Michel's *Ayenbite of Iawayt*, Langland's *Piers Plowman*, Gower's *Confessio Amantis*, Lydgate's *Assembly of Gods*, the Moral Plays, etc.; (2) the romantic and amatory type—e. g., *The Romaunt of the Rose*, Chaucer's *Boke of the Duchesse*, Dunbar's *Thirissil and the Rois*, Douglas's *Palice of Honour*, Lydgate's *Temple of Glass*, Hawes's *Pastime of Pleasure*, etc.

5. An analysis was given of Lydgate's *Assembly of Gods*, now in press from the MS. for the Early English Text Society.

THE MIRACLE PLAY IN MODERN SPAIN.

FANNY HALE GARDINER.

Spain was compared to the Sleeping Beauty whose dower of good gifts was marred by her touching the fatal spindle, when she suddenly fell asleep and all her household with her. Spain appears to have every good gift but that of good government; this, according to a legend of San Fernando, was denied him lest the angels should desert heaven for a country too highly favored. In carrying on the policy of extirpation toward invader and heretic after the conquest had made it unnecessary, Spain paralyzed her government and her national energies and fell asleep until Revolution roused her in 1808. Then, as Emilio Castelar says, "Napoleon carried to the farthest corners of Europe on the point of his soldier's bayonets the very ideas he sought to subvert." The second revolution of 1888 awoke Spain effectually, and the enforced acquaintance with the outside world gained by the Spanish refugees in the time of the Republic and Amadeo (by which Alfonso XII., educated in Vienna, London and Paris, profited so largely) was a great boon to their country. Although the number and the amount of modern ideas assimilated by Spain are not always evident to the prejudiced and superficial traveler, they are nevertheless real and are crowding old customs to the remoter corners of the peninsula.

Among other evidences of enlightenment is a law of religious toleration, which, however, to the Spanish mind, does not yet mean much more than a patient forbearance of that which is probably wrong. Personal investigation of the truth, and especially a "coming down to bare benches for the truth," is hardly conceivable in Spain. Religious symbolism is indispensable both to the educated and the ignorant, and among other "books of the simple," as St. Augustine calls all representations of art, are the Miracle Plays. It is not necessary to enter into any historical details for students. The Sacred Dramas in Spain retain a primitiveness and a naïve disregard for accuracy which those of more frequented and educated places must have lost. For descriptions of Passion Plays and processions of this type the student is referred to John Hay's "Castilian Days," and the Rev. Hugh James Rose's "Untrodden Spain."

The plays in use are not old, but, as instanced by copies in hand, are as modern as 1873 and 1893. A description of a Nativity Play seen in 1879 shows it to have been composed of legendary as well as Gospel incidents in the life of the Virgin Mary, concluding with a tableau of the manger scene. While entirely reverent toward the sacred characters, who spoke in short rhymed stanzas, the play was throughout humorous, not to say comic. It differs from ancient models, perhaps, only in being more decent, those who played buffoon characters speaking in prose and having great liberty of action and inflection. The scenes were apparently drawn from familiar Spanish life, which presents, so travelers say, many similarities to life in Palestine. There followed some translations of stanzas from a play on the "Slaughter of the Innocents," and illustrations of how these scenes provide the only means of familiarizing the people with Gospel times and personages. Other instances were given of the people's homely intimacy with the saints and their beneficent powers—an intimacy which may be thought to be comforting and useful to the people until modern education and new ideas are accepted generally by this newly awakened Sleeping Beauty.

GLACIAL STUDIES IN GREENLAND.

TH. C. CHAMBERLIN.

The field of investigation was the borderland along the west coast of Greenland, as far north as 77°. The following topics as related to the investigation were discussed: (a) Features

of the Surface of the Ice; (b) Materials transported by the Ice; (c) Structure of a Glacier; (d) Origin of a Glacier; (e) Movement of a Glacier; (f) Moraines; (g) Drainage; (h) Eskers; (j) Evidences of Rigidity in the Ice.

While no one point should perhaps be spoken of as of the greatest importance over all others, yet it may be said that the additions to our knowledge of glacier structure and movement is perhaps most profound; that glacier ice is stratified and often laminated, and that between the layers of ice, rather than in the ice itself, occurs the material transported; and that the movement of glaciers may be not that of a viscous substance, to which motion is imparted by a gravitative pull, but rather the shearing movement from push of superincumbent layers.

LOWER CAMBRIAN ROCKS.

(Western Nevada.)

C. D. WALCOTT.

Professor C. D. Walcott, Director of the United States Geological Survey, gave a brief account of his recent investigations upon the Lower Cambrian rocks in western Nevada and southeastern California; also indicated the lines of work being followed by the three great Universities of the Pacific Coast, the Leland Stanford Jr. University, the University of California, and the University of the state of Washington; the plan of work of the United States Geological Survey in the preparation of a geological map was briefly mentioned.

RADIOLARIA IN PRE-CAMERIAN ROCKS.

E. C. QUEREAU.

Forty-five forms have been determined to the *genus*, and more to the *family*. A striking fact is that these forms bear a strong similarity to forms existing in present seas.

DEPOSITS FROM STAGNANT ICE.

E. B. KÜMMEL.

1. (a) Terraces or plains surrounding depressions or along valleys. (b) Terraces marked by kettles and depressions. (c) Slopes marked by kettles and depressions. (d) Presence of bare rock or till in such places as would have been buried under conditions of free glacial drainage.

2. Classification of forms.

THE GEOLOGY OF DEVIL'S LAKE, WIS.

E. C. PERISHO.

A map of the region was shown. Attention was called to the ridge of quartzite and its instructive structural characteristics. The region is notable as offering a typical example of glacial topography. The area marks the limit of the advance of the glacier. The existence of the lake was shown to be due to the damming on either side of the quartzite ridge of a pre-glacial valley.

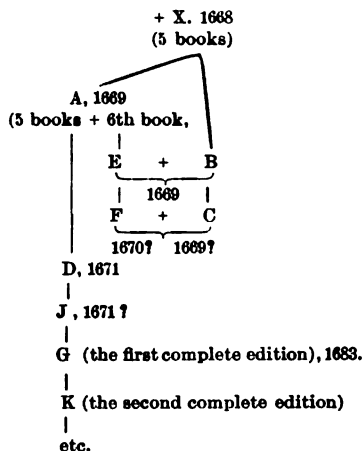
THE EDITIONS OF GRIMMELSHAUSEN'S SIMPLICIUS SIMPLICISSIMUS.

PAUL O. KERN.

No edition published after Grimmelshausen's death (1676) and before Prof. Holland's edition of 1852 is of value for the restoration of a critical text. The editions published during the author's lifetime range themselves in two groups, the one of which includes A, D, E, F, J, the other B, C. Proofs for this classifi-

cation are the misprints. D and E are reprints of A; F is a reprint of E, J of D. C is printed from B. (Kurz, I., p. LX, Koegel, p. XXI . . . Bobertag, pp. XLIII, XLIV, and also Keller, Vol. II, Anmerkungen.) B and A differ in the vocabulary, the inflection and the syntax (Kurz, I., p. LX, Koegel, pp. XXV, XXVI. Notice however, also in A, indicatives as hielte, hiesse, riethe, ritte, geschahe, schiene, schritte, wiese; im buchen, etc.) B presents a popular language, in A it is revised to conform with the written language of the day. Which of the two contains Grimmelausen's text? Keller: A is surreptitious (title); the other editors: Neither A nor B is the first edition, A being the second authentic edition, B surreptitious. The latter view is correct. For proof see Kurz, I., p. LXI . . . and II, 442, 443; Koegel, p. XIX . . . A, B most nearly approaches the lost first edition (which contained only the first five books), it is valuable for text criticism. D is the second authentic edition and is enlarged (Grimmelausen's Vogeleest, Part I, and end of Chapter 13). With regard to the nature of the additions compare Keller, II., p. 1177, Kurz, I., p. LXVI. . . . Koegel, p. XXVIII, Bobertag, p. XLIV. They are by Grimmelausen.

Table:



In spite of these numerous editions the editor of a critical text is sometimes obliged to make conjectures, as some misprints run through all editions (Koegel, p. XXVIII). Holland uses A, Keller B, Kurz D, Koegel A, Bobertag D and J as texts.

CRITICISM OF HIRT'S "ZU DEN AORISTPRÄSENTIEN IM GERMANISCHEN UND ZUM NOM. ACC. PLUR.,"

Paul und Braune's Beiträge, xviii. 522 ff.

FRANCIS A. WOOD.

In the article referred to above, Hirt, comparing such forms as O.E. *belfe* with Skt. *limpāmi*, Lith. *limpū*, and O.E. *smāgan* with Lith. *smunkū*, infers that the length of the *f* and *s* in these and similar aorist-presents is due to the disappearance of a nasal.

This theory appears unfounded from the following considerations:

1. There is no more reason for supposing the disappearance of a nasal in the *ef* and *ex* series than elsewhere.

2. There is actually a considerable number of verbs belonging to these series, falling under Hirt's assumed law, that retain the nasal. E.g. O.H.G. *chlīmban* from the root *gleip* as seen in O.H.G. *chlīban*, O.N. *klīfa*.

3. Germanic, far from eliminating the nasal-infix in verbs in which it occurs, has, with the one exception of *standan*, generalized it in all the verb forms.

THE TEXT OF CLEMENT OF ROME.

ERNEST D. BURTON.

The extant authorities for the text of Clement are:

A. The Greek text contained in the Alexandrian Manuscript of the Bible, written in the fifth century, brought to England in 1628, and acquired by the British Museum in 1753. The text of Clement was first published from this MS. in 1633, edited by Patrick Young. It has been published frequently since, and in 1879 in photographic *fac simile*.

C. The Greek text discovered by Philotheos Bryennios in the Library of the most holy Sepulchre in Fanar in Constantinople, and published by him in 1875. This is the same MS. which contains the text of the *Διδαχὴ τῶν Ἀποστόλων*, published a few years later by Bryennios. The MS. is dated in 1056 A. D.; the text is regarded by Lightfoot as dating from the fifth century or earlier.

S. A Syriac translation brought to light in 1876 when the Cambridge University Library purchased the MS. containing it from the library of M. Jules Mohl of Paris. The MS. was written in 1170 in the Convent of Mar Saliba, in Edessa.

L. A Latin translation, first published in January 1894 from a MS. discovered by Germanus Morin in the Seminary library at Namur, in Belgium. The MS. was written in the eleventh century, but the editor believes he can prove that its text is far older, indeed that the translation was made soon after the letter itself was written.

This latest source for the text has been in the hands of scholars too brief a time to justify confident expression respecting its exact value. It seems evident however that each of the four documents furnishes a substantially independent authority for the text, that each of them carries us back comparatively near to the date of the writing itself, one or two of them perhaps very near to that date, and that together they furnish such facilities for the recovery of the true text as exist in the case of no other patristic writing.

CLEMENT OF ROME AND THE NEW TESTAMENT CANON.

SHALLER MATHEWS.

In order to appreciate the light thrown by Clement on the history of the formation of the New Testament canon we need to examine:

1) His use of the Old Testament. His quotations are numerous, and often lengthy. He evidently believes the Old Testament to be the expression of the Holy Spirit, but he does not, therefore, hesitate to change, combine, and confuse passages.

2) His direct quotations from the New Testament are very few and on the whole as conducive to uncertainty as to certainty. His most striking passages are 13:1, 2; 34:8; 46:8, but none of these are verbally the same as similar passages in the New Testament. In 47:1 there is a specific reference to a letter of Paul to the Corinthian Church.

3) Words and passages resembling New Testament expressions are numerous, and in some case the parallelism is striking

4) Conclusions : (a) Clement probably did not know our Gospels in their present form ; (b) there is little evidence that he was acquainted with Acts ; (c) it is clear that he was well acquainted with 1. Peter and James, possibly with 2. Peter ; (d) of the Pauline epistles he knew Romans, 1. Corinthians, Philippians, Titus, Ephesians ; (e) he was acquainted with Hebrews.

THE POLITY OF CLEMENT OF ROME.

EDGAR J. GOODSPEED.

A study of the words used in the Epistle of Clement of Rome to the Corinthians shows that in it, as in the New Testament *bishop* and *presbyter* are employed to designate the same officers : *vis.*, those who led the prayers and thanksgivings of the congregation, and presented the alms and contributions to God. It is one of the chief purposes of the epistle to secure for such presbyters of the Corinthian church, as the holders of a divinely sanctioned authority, the respect and obedience of their brethren. On the whole the epistle shows little if any advance upon the polity of the Apostolic Age as reflected in the New Testament.

FRENCH FEMININE ACCUSATIVES IN "-AIN."

[Review of an article by G. Paris in *Romania*, xliii.
pages 331-348.]

THEO. L. NEFF.

Certain words in old French show two forms, one for accusative and one for nominative, owing to a change of accent in the Latin words from which they came. Certain feminine proper nouns, e. g., *Berte*, *Bertain*, have also appeared. How are they to be accounted for ? Two general theories have been proposed to account for this accusative ending *-ain*, one (A), deriving it from the German ; the other (B), from the Latin. (A) is, in the main, that the feminine forms *Bérta*, *Bértan*, French *Bérte*, *Bértain*, sprang up under the influence of the masculine forms, such as *Hégo*, *Hégon* giving French *Hégues*, *Hégon* ; or, that these German nouns, latinized according to the first declension, retained an added nasal consonant, in the oblique forms of the original German, and that the vowel before the nasal consonant, having the accent, shows the regular development, *-ain*, the declension being thus : *Bérta*, *Bértanem*, *Bérte*, *Bértain*.

(B) That it is simply from the Latin accusative *-am*, where this syllable attracted the accent under the influence of the nasal *m* ; or, it was influenced by such masculine forms as *Cáto*, *Cátnem* ; or, that *Bérta*, *Bértan* changed to *Bérta*, *Bértanem*, after the analogy to *Hégo*, *Hégtnem*, in which case the forms *Bérte*, *Bértain* would be regular.

ANGLO-NORMAN POETRY.

ESTHER WITKOWSKY.

(Historical sketch of Anglo-Norman Poetry in England under the Norman and Angevin Kings.)

This paper treated briefly of the following topics :

- I. Literary patronage of the courts of the Norman Kings. The Normans in France. The Normans in England.
- II. Reign of Henry I. 1. Legend of St. Brandan. 2. Philip de Thaun : (a) Bestiary ; (b) Comptus.
- III. Reign of Stephen. 1. Turolf. Le Chanson de Roland. 2. Everard of Winchester, 3. Helys of Winchester (Disticha). 4. Samson de Nanteuil, Proverbs of Solomon. 5. Guichard de Beaulieu, Satire.

IV. Reign of Henry II. Effects of closer union with France. 1. Geoffrey of Monmouth. Influence of his History of the British Kings. 2. Geoffrey Gaimar. History of English Kings. 3. Wace : (a) Roman de Brut ; (b) Roman de Rou. 4. Benoit de Ste. Moire : (a) History of Norman Dukes ; (b) Roman de Troie. 5. Walter Map. Prose romances of Arthur-cycle. 6. Robert de Boron, 7. Luces de Gast (Arthur-cycle ; Graal Saga and Roman de Tristan). 8. Marie de France and the Lai.

V. Reign of Richard I. Political songs and love poetry. 1. Guernes de Pont de St. Maxence, Life of Thomas à Becket. 2. Bozon and 3. Hermann (religious poetry). 4. Hugh of Rutland : (a) Ipomedon ; (b) Prothesilaus. 5. Thomas : (a) Romance of Horn ; (b) Romance of Tristan. 6. Philip de Reimes : (a) Roman de la Manekine ; (b) Blonde d'Oxford. 7. Simon de Fresne, Translation of Boethius.

VI. Reign of John. 1. William the Clerk : (a) Bestiary ; (b) Fabliaux ; (c) Le Besant de Dieu. 2. William the Trouvère, religious poems ; Story of Theophilus.

VII. Latin writers of the period. English language in the Peterborough Chronicle. Brief revival of English at the beginning of the thirteenth century, showing little Norman influence. First public document in English in 1238.

THE UNITY OF ZECHARIAH.

N. I. RUBINKAM.

The origin of the view of the pre-exilic date of chapters 9-14 was the defense of the quotation in Matt. 27:9-10 as from Jeremiah. The opening of the discussion by Joseph Mede early in the seventeenth century has resulted in a vast controversial literature upon the subject. The pre-exilic theory is not necessary on any right interpretation of the contents of chapters 9-14. Every expression and allusion can be explained consistently with a post-exilic authorship. More recent scholarship seeks for the second half of the book not only a post-exilic, but a post-Zacharianic origin, either in the Persian or Grecian period. There can be found in these chapters no attachment to the national conditions and motives of the Restoration period. They reveal the historic background of a later age. Chapter 9:1-10 can be best explained as the interpretation of the movements of Alexander the Great and the hopes awakened by those movements. The remainder of the chapters 9 to 14 seem to be a witness to the struggle for independence and for the maintenance of the Jewish faith and national unity in the Grecian period. The intense national self-consciousness and the apocalyptic visions of the final exaltation of Judaism, are the reaction of devout Judaism against the Greek spirit within the nation, and the persecutions from world powers without. The gap in the history between chapter 9:1-10 and the remainder of the book occurs also in I. Maccabees, chapter 1, and Zechariah 9-14 must be read in connection with I. and II. Maccabees. Chapters 9-14 consist of eight separate pieces. All except 9:1-10 have the same historic background, but they have different motives and reveal diverse phases of life. They may therefore be the product of a single hand or compiled from different sources.

PROFESSOR GIDDINGS' SYSTEM OF SOCIOLOGY.

MAX WEST.

Sociology, according to Professor Giddings, is the science of the origin and development of society. It is an interpretation of human society in terms of natural causation, and may be defined as "the science of social elements and first principles." Sociology is not the inclusive, but the fundamental social science,

distinct from the special social sciences precisely as biology is distinct from botany and zoölogy. The special social sciences assume the fact of human association ; sociology explains it. Economics deals with the satisfaction of desires ; but the origin and evolution of desires are investigated by sociology. Sociology is a distinct science, dealing with a particular class of phenomena and a definite group of problems.

Professor Giddings divides the evolution of association into four stages, corresponding to which there are four divisions of sociology : (1) Zoögenic sociology, dealing with animal societies ; (2) anthropogenic sociology, dealing with primitive man ; (3) ethnogenic sociology, dealing with men in families, clans, tribes, etc. ; (4) demogenic sociology, dealing with civilized man. In each of these four stages sociology investigates (1) the conditions of association (2) the physiological and mental development of the members of the society, resulting from association, (3) the constitution or organization of the society, (4) the social mind, including the common consciousness and tradition, (5) the total effect of association upon the associated individuals.

Association arises when individuals congregate about a common food supply, mainly in the play of the young, and later in the festivities of the adults. Association in its higher forms is founded upon social pleasure. "If the heterogeneous masses of population in the tenement-house wards of our great cities

are ever socially organized, it will be after they have been brought under the power of social pleasure." This affords a sociological basis for the Social Settlement, and a practical rule for Settlement workers. In like manner, a sociological basis for the kindergarten may be found in the origin of association and social feeling primarily among the young. These examples indicate the relation of Professor Giddings' system to practical questions.

Professor Giddings' conception of sociology seems radically opposed to Professor Small's ; yet both agree that sociology is a general science. Given a general science, perhaps the question whether it is antecedent or subsequent to other sciences is mainly pedagogical. What should be ascertained is whether sociology needs to use the results formulated by the other social sciences, or whether its materials are easily observable phenomena.

It has been objected that Professor Giddings' sociology is properly anthropology. But the anthropologists have made anthropology a natural rather than a social science ; they have not investigated primarily the phenomena of association. Professor Giddings has marked out a definite field for sociology, and has directed attention especially to the evolution of society.

Sociology may be defined as the science of association.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

Four standing committees of the Christian Union attend to the various branches of its work: The Committee on Biblical Study, the Committee on Social Life, the Committee on Philanthropic Work, and the Committee on Public Worship. A full statement of the religious organizations has been published in a special pamphlet entitled "The Religious Organizations of The University of Chicago" (1894).

THE COMMITTEE ON BIBLICAL STUDY.

HEAD PROFESSOR ERNEST DEWITT BURTON delivered on successive Sunday afternoons of the Autumn Quarter, in the Chapel, Cobb Lecture Hall, at 3:30 o'clock, nine lectures on *The New Testament Literature*. The series included the following topics:

1. *General introduction to "Six Letters of the Apostle Paul and their Testimony." The First Epistle to the Thessalonians.*
2. *The First Epistle to the Corinthians.*
3. *The Second Epistle to the Corinthians.*
4. *The Epistle to the Galatians.*
5. *The Epistle to the Romans.*
6. *The Epistle to the Philippians.*
- 7 and 8. *Their Testimony respecting the Life and Teaching of Christ.*
9. *The Central Features of Paul's Doctrinal System.*

THE COMMITTEE ON PUBLIC WORSHIP.

The following addresses have been delivered before the Christian Union on Sunday evenings, from October to December, 1894:

University Settlement Meeting.—Addresses by PRESIDENT WILLIAM R. HARPER, HEAD PROFESSOR J. LAURENCE LAUGHLIN, and MRS. ALICE FREEMAN PALMER, of the University; MISS JANE ADDAMS, of Hull House, and Miss McDowell, of the University Settlement. October 7.

ASSOCIATE PROFESSOR NATHANIEL BUTLER, The University.

The Christian's Privilege of Living by the Day. October 14.

MRS. ALICE FREEMAN PALMER, The University.
Temptations to Goodness in College Life.

October 21.

PROFESSOR JOHN HENRY BARROWS, The University.
Shakespeare as an Interpreter of Christian Truth. October 28.

HEAD PROFESSOR GALUSHA ANDERSON, The University.

The Misunderstood Christ. November 4.

ASSOCIATE PROFESSOR CHARLES R. HENDERSON, The University.

The Joy of the Lord our Strength. Neh. 8:10. November 11.

DEAN ERI BAKER HULBERT, The University.

Sowing Wild Oats. Hosea 8:7 and 10:12.

November 18.

PROFESSOR WILLIAM CLEAVER WILKINSON, The University.

Orthodoxy: What it is and what it is worth. Proverbs 23:23. November 25.

HEAD PROFESSOR ALBION W. SMALL, The University.
Thanksgiving Service: Help Wanted.

November 29.

REV. HERBERT L. WILLETT, The University.

The Higher Fear. December 2.

REV. LATHAN A. CRANDALL, D.D., Chicago.

Demas. December 9.

REV. WILLIAM D. FULLER, Morgan Park.

Experience as a Test of Religious Truth.

December 16.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

At the opening of the Autumn Quarter fifty-three new names were added to our membership, principally from those entering the University for the first time. The regular quarterly reception to the new students was given by the two associations in Cobb Lecture Hall on the second Saturday night of the quarter. It was largely attended, and was a marked social success. In the middle of the quarter Mr. John R. Mott, the International College Secretary of the Y. M. C. A., spent two days with the association, and his visit was followed by increased activity along all lines of association work. The Fisk Street Mission has enlisted the efforts of many of our members, and has proved an efficient means for spiritual growth and usefulness. The regular weekly meetings have in general been well attended and helpful. They have been conducted by students, and in several instances by a member of the faculty or a friend from outside. There is still much to be accomplished in each department in the way of organizations and general efficiency.

The officers and committees are as follows:

President, A. T. Watson; Vice President, H. D. Abells; Treasurer, F. D. Nichols; Recording Secretary, F. Grant; Corresponding Secretary, D. A. Walker.

Committees were appointed as follows:

Devotional Committee:

W. A. Payne, H. D. Abells, E. McCaskill, G. A. Campbell, F. D. Nichols, F. Grant.

Membership Committee:

T. L. Neff, B. R. Patrick, D. A. Walker, G. N. Knapp, F. W. Woods, J. S. West, F. Grant, S. C. Mosser, O. E. Wieland.

Finance Committee:

F. D. Nichols, E. J. Goodspeed, G. A. Bale, W. Breeden, J. Lamay.

Reception Committee:

A. A. Stagg, M. L. Miller, W. E. Chalmers, W. P. Behan, F. W. Woods.

Missionary Committee:

F. G. Cressey, J. F. Hunter, J. Hulshart.

Bible Study Committee:

V. O. Johnson, R. L. Hughes, H. Butterworth, F. P. Bachman, F. W. Woods.

Intercollegiate Work Committee:

D. A. Walker, C. F. Kent, A. A. Stagg, C. K. Chase, J. E. Raycroft.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The Association made great progress in every department during the Autumn Quarter. The membership has been more than doubled, the Association now numbering 103. Prayer-meetings have been held regularly on Thursdays at 1:30 P.M., and with the Y. M. C. A. Sundays at 7:00 P.M. Many of the members have met once a week in small groups for Bible study, and Dr. Hulbert's class in the History of Missions has been well attended by Y. W. C. A. members. Two receptions were given for new students early in October—a general reception with the Y. M. C. A. and one for young women only. The Fisk Street Sunday School has been carried on as usual.

The following are the committees:

Executive Committee:

President, Aletheia Hamilton; Vice President, Louise C. Scovel; Recording Secretary, Jennie K. Boomer; Corresponding Secretary, Harriet C. Agerter; Treasurer, Marion Morgan.

Reception Committee:

Mary D. Maynard, Jeannette Kennedy, Myra H. Strawn, Jennie Boomer.

Membership Committee:

Louise Scovel, Jennie K. Boomer, May J. Rogers, Mabel Dougherty, Edith Neal, Mary Love, Ruth Moore.

Prayer Meeting Committee:

Florence L. Mitchell, Lila C. Hurlbut, Carrie S. Moore, Berdina M. Hale, Martha Klock.

Sub-committees:

Sunday Evening—Harriet Agerter.

Advertising—Mamie Furness, Florence Evans, Mrs. Charlotte Gray, Emma Guthrie.

Bible Study Committee:

Mrs. Zella A. Dixon, Jennie K. Boomer, Loa Scott, Martha L. Root, A. E. Pratt.

Missionary Committee:

Cora Jackson, Harriet Agerter, Ella Keith, Thora M. Thompson, Ella M. Osgood, Cora Allen.

Inter-Collegiate Committee:

Harriet C. Agerter, Grace E. Manning, N. M. Taylor, Emma Walls, Charlotte F. Coe.

Finance Committee:

Marion Morgan, Mrs. Stella R. Stagg, Emma L. Gilbert, Elizabeth Roggy, Charlotte Teller, Marion Cosgrove, Julia F. Dumke.

Fisk Street Committee:

Laura Willard, Mary D. Maynard, Florence L. Mitchell, Mabel Kells.

DIVINITY SCHOOL MISSIONARY SOCIETY.

The society met every alternate Thursday evening, at 7:00 o'clock. The following addresses were made before the members during the Autumn Quarter:

HEAD PROFESSOR E. D. BURTON.

The Work of the Missionary Society in our Education.

ASSISTANT PROFESSOR MONCRIEF.

Missions: Their Past, and Encouragement for their Future. October 11.

HORACE T. PITKIN, Traveling Secretary for the West of the Student Volunteer Movement for Foreign Missions.

Foreign Missions. October 24.

H. K. BOYER, M. A. SUMMERS, and F. C. JACKSON.

Reports of the Meetings of the Inter-Seminary Alliance held at Springfield, Ohio.

November 8.

Address by MR. FRANCIS W. PARKER, President of the City Mission Society. November 22.

ASSOCIATE PROFESSOR C. R. HENDERSON.

The Nature of the University Settlement.

MISS McDOWELL.

Life at the University Settlement. December 8.

HISTORY OF MISSIONS.

HEAD PROFESSOR ERI B. HULBERT delivered a course of weekly lectures on *The History of Missions*, beginning on Friday, November 27.

THE VOLUNTEER BAND

held weekly meetings during the Autumn Quarter, Fridays at 5 o'clock, in D 7. Three visits to the Band were made by the traveling secretaries of the Student Volunteer Movement for Foreign Missions, Miss Agnes Hill and Mr. H. T. Pitkin, and by the Chairman of the Executive Committee, Mr. John R. Mott.

One member, Mr. Joseph Paul, sailed in October for Assam.

In connection with the joint Missionary Committee of the Y. M. C. A. and Y. W. C. A., a class was formed in the History of Missions in the Sixteenth, Seventeenth, and Eighteenth Centuries. Dean Hulbert, of the Divinity School, conducts the class, which meets on Fridays at 4 o'clock in D 6. This exercise is open to all members of the University, and there is an average attendance of sixty-five.

EXERCISES IN THE UNIVERSITY CHAPEL.

AUTUMN QUARTER, 1894.

CHAPLAINS.

PRESIDENT W. R. HARPER.	October 1-6
DR. T. J. J. SEE.	October 8-13
ASSISTANT PROFESSOR FRANK J. MILLER.	October 15-20
HEAD PROFESSOR GALUSHA ANDERSON.	October 22-27
HEAD PROFESSOR ERI B. HULBERT.	October 29-November 3
ASSOCIATE PROFESSOR FRANKLIN JOHNSON.	November 6-10
MR. WILLIAM HILL.	November 12-17
ASSISTANT PROFESSOR CROW.	November 19-24
HEAD PROFESSOR THOMAS C. CHAMBERLIN.	November 26-December 1
ASSISTANT PROFESSOR MONCRIEF.	December 3-8
HEAD PROFESSOR SMALL.	December 10-15
ASSISTANT PROFESSOR BLACKBURN.	December 17-22

CHAPEL ADDRESSES.

PRESIDENT W. R. HARPER, The University.	<i>University Life and its Benefits.</i> Sunday, September 30.
HEAD PROFESSOR E. VON HOLST, The University.	<i>Patriotism.</i> Tuesday, October 2.
REV. DR. GEORGE C. LORIMER, Boston.	<i>The New Life in the Old Church.</i> Wednesday, October 3.

REV. DR. JESSUP, Beirut, Syria.	Friday, October 5.
REV. S. M. JOHNSON, Chicago.	<i>City-Mission Work for College Students.</i> Tuesday, October 9.
PROFESSOR W. C. WILKINSON, The University.	<i>Devotion to Christ.</i> Wednesday, October 10.
DR. J. M. HARRIS, Editor of St. Louis Observer.	<i>University Influence on Civilization.</i> Friday, October 12.
GENERAL T. J. MORGAN, D.D.	<i>Christianity and Love of Country.</i> Wednesday, October 17.
ASSOCIATE PROFESSOR SHAILER MATHEWS, The University.	<i>Faith and Culture.</i> Thursday, October 18.
HEAD PROFESSOR GALUSHA ANDERSON, The University.	<i>Fellowship With God.</i> Wednesday, October 24.
MADAME G. SORABJI CAVALIER.	<i>Missions in India.</i> Friday, October 26.
HEAD PROFESSOR ERI B. HULBERT, The University.	<i>Being and Seeing.</i> Wednesday, October 31.
REV. H. O. ROWLAND, D.D.	<i>Sermonic Literature.</i> (Lecture Room, 9:30 A.M.) Thursday, November 1.
ASSOCIATE PROFESSOR C. R. HENDERSON.	<i>Boldness of Religious Trust.</i> Thursday, November 1.

HEAD PROFESSOR HARRY PRATT JUDSON, The University.

A Necessary Contradiction. Wednesday, November 7.

GENERAL WILLIAM BOOTH, England.

The Salvation Army. Saturday, November 24.

HEAD PROFESSOR THOMAS C. CHAMBERLIN, The University.

Seeking Foundations. Tuesday, November 27.

REV. A. J. CANFIELD, Chicago.

What Students have to be thankful for. Wednesday, November 28.

PROFESSOR PAUL SHOREY.

St. Francis of Assisi. Wednesday, December 5.

ASSOCIATE PROFESSOR HENDERSON.

A Deepened Rationalism. Thursday, December 6.

REV. W. H. P. FAUNCE, D.D.

Ideals of Life. Wednesday, December 12.

UNIVERSITY LECTURES.

MR. J. J. FINDLAY, of the English Royal Commission on Secondary Education, delivered four lectures in Chapel, Cobb Lecture Hall.

Arnold of Rugby.

Monday, November 12, 5:00 P.M.

Present-Day Problems of English Education.

Thursday, November 15, 5:00 P.M.

Higher Training of Teachers.

Saturday, November 17, 2:00 P.M.

The Herbartian Curriculum with reference to recent Experiments in Modern Language-Teaching at Jena.

Monday, November 19, 5:00 P.M.

MR. GEORGE C. HOWLAND, Instructor in Romance Languages and Literatures, The University, delivered public lectures on *The Italian Poets*, at 4:00 P.M., in Lecture Room, Cobb Lecture Hall.

The Relation of Italian Literature to Modern Life. October 26.

Dante. November 1.

Petrarch. November 8.

Ariosto. November 15.

*The Republic of San Marino.** November 22.

Tasso. December 16.

DR. NORMAN BRIDGE delivered a lecture on *The Student's Care of His Health.*

November 20.

* Hyde Park High School.

MUSIC.

WARDNER WILLIAMS, *Assistant in Music.*

ORGANIZATIONS.

University students are cordially invited to identify themselves with some one of the following musical organizations:

The University Choir.

The Elementary Chorus.

The University Chorus.

The University Glee Club.

The University Orchestra.

The Mandolin Club.

The Banjo Club.

The Women's Banjo and Mandolin Club.

THE FOLLOWING MUSICIANS AND ORGANIZATIONS have appeared at the University:

Mr. Henry B. Byers, *Baritone.*

Mrs. Hess-Burr, *Accompanist.*

Mr. George Baas, *Violinist.*

Mr. S. H. Clark, *Reader.*

Miss Jennie Gray, *Soprano.*

Miss Mary von Holst, *Soprano.*

Miss Julia Hecht, *Pianist.*

Mrs. Clara von Klenze, *Pianist.*

Miss Georgia L. Kober, *Pianist.*

Miss Clara Kleiner, *Accompanist.*

Mr. Bernhard Listemann, *Violinist.*

Miss Nellie B. Manlove, *Contralto.*

Miss Lizzie Pickens, *Violoncellist.*

Miss Maude Peck, *Pianist.*

Miss Gertrude I. Robinson, *Harpist.*

Miss B. Louise Robinson, *Violinist.*

Mr. William H. Sherwood, *Pianist.*

Mr. Arling Shaeffer, *Banjo and Guitar.*

Miss Edith Estelle Torrey, *Soprano.*

Mr. Carl Wolfsohn, *Accompanist.*

The Kunitz String Quartette—

Mr. Luigi Kunitz, *First Violin;*

Mr. Harry Dimond, *Second Violin;*

Mr. Adrian Perley, *Viola;*

Mr. Robert Ambrosius, *Violoncello.*

The University Chorus.

The University Glee Club.

The University Orchestra.

The University Mandolin Club.

THE UNIVERSITY CONCERTS.

The following concerts were given during the Autumn Quarter by the various musical organizations.

November 18. The University Choir—The University Settlement.

November 22. The University Glee Club—Christ Chapel, Chicago.

November 22. The University Mandolin Club—First Baptist Church, Englewood.

November 30. The Glee and Mandolin Clubs—Centennial Baptist Church, Chicago.

December 13. The Glee and Mandolin Clubs—First Presbyterian Church, Englewood.

December 14. The Glee and Mandolin Clubs—Calvary Baptist Church, Chicago.

December 17. The University Christmas Concert—The University Chorus, The University Orchestra, The University Glee Club, The University Mandolin Club, assisting.

December 26. The Glee and Mandolin Clubs—Y. M. C. A. Auditorium, Racine, Wis.

December 27. The Glee and Mandolin Clubs—Plymouth Congregational Church, Milwaukee, Wis.

December 28. The Glee and Mandolin Clubs—Opera House, Sheboygan, Wis.

December 29. The Glee and Mandolin Clubs—Opera House, Fond du Lac, Wis.

December 31. The Glee and Mandolin Clubs—Opera House, Oshkosh, Wis.

THE MUSICAL RECITALS

were given at the *Theatre of the Kent Chemical Laboratory*, Wednesday afternoons, October 31, November 7, November 14, November 21, December 5, and December 12, at 5 o'clock.

THE UNIVERSITY HOUSES.

GRADUATE HALL.

Organization.—Head of House, CHARLES F. KENT; Counselor, Head Professor A. W. Small; Secretary, O. J. Thatcher; Treasurer, W. Hill; House Committee, the above *ex-officio*, with H. B. Learned, P. Rand, F. W. Sanders; Membership Committee, O. Dahl, A. E. McKinley, O. L. Triggs; Social Committee, C. T. Conger, H. R. Dougherty, P. Rand, F. W. Shipley, V. P. Squires.

Members.—Angell, J. R.; Chamberlin, J. C.; Coffin, F. F.; Conger, C. T.; Dahl, O.; Dibell, C. D.; Dougherty, H. R.; Dougherty, R. L.; Hill, W.; Hubbard, H. D.; Hussey, G. B.; Johnson, R. H.; Keene, W. B.; Kent, C. F.; Leonard, H. B.; McKinley, A. E.; Rand, P.; Sanders, F. W.; Sass, L.; Shipley, F. W.; Squires V. P.; Thatcher, O. J.; Triggs, O. L.

Guests.—Mandel, E. F.; Sincere, V. W.

Chief Events.—At the annual meeting of the House, held on November 8, Mrs. C. R. Crane was elected Patroness of the House, and subsequently, on accepting this office, was tendered a reception by the members. An appropriation of one hundred dollars was granted by the Trustees of the University and devoted to the equipment of the parlor, which had been enlarged by the removal of two partitions.

MIDDLE DIVINITY HOUSE.

Organization.—The Middle Divinity House was organized December 13, 1894. The officers are: Head of House, C. E. WOODRUFF; Counselor, Head Professor E. D. Burton; House Committee, Messrs. A. R. Wyant, H. K. Boyer, M. A. Summers; Secretary, H. A. Purinton.

Members.—Anderson, T. U.; Anderson, O. L.; Bale, G. A.; Blake, J.; Borden, E. H.; Boyer, H. K.; Briggs, D. J.; Bunyard, R. L.; Case, F. A.; Claypool, A. K.; Dent, J. C.; Farr, F. K.; Georges, Mooshie; Giblett, T. J.; Gill, T. A.; Gurney, J. F.; Haigazian, A.; Hatch, E. E.; Hoover, W. G.; Huckleberry, J. F.; Jamison, D. L.; Jones, A. C.; Matzinger, P. F.; McKinney, E. R.; Mebane, W. N.; Meigs, R. V.; Myhrmann, D. V.; Peterson, W. A.; Purinton, H. E.; Rapp, J. J.; Rhapsstock, F. C.; Rocén, Johan; Robinson, C. W.; Rogers, P. S.; Sanders, J. F.; Schlamann, E. A.; Schlosser, T. F.; Schub, F. O.; Smith, C. H.; Spickler, H. M.; Spooner, W. S.; Stucker, E. S.; Summers, M. A.; Vreeland, C. F.; West, J. S.; Witt, S.; Woodruff, C. E.

SOUTH DIVINITY HOUSE.

Organization.—South Divinity House was organized December 12, 1894. The officers are: Head of House.

ELIPHALET A. READ; Counselor, Dean Hulbert; Secretary, W. C. Chalmers; Treasurer, Stephen Stark; House Committee, the above *ex-officio*, with R. B. Davidson, J. A. Herrick, C. H. Murray, A. A. Ewing.

Members.—Aitchison, J. Y.; Allen, Charles W.; Atchley, J. C.; Braker, George, Jr.; Case, C. D.; Criswell, J. M.; Cressey, F. G.; Chalmers, W. C.; Crawford, J. T.; Davidson, R. B.; Eaton, W. H.; Ewing, Addison A.; Fisk, Henry A.; Goodman, A. E.; Hobbs, R. W.; Hurley, H. H.; Hendrick, H. E.; Jackson, F. C.; Jones, H. E.; Kingsley, F. W.; Kjellin, John A.; Lisk, C. Wayland; Lemon, C. A.; Murray, C. H.; Patrick, B. R.; Read, Eliphalet A.; Stark, Stephen; Shoemaker, W. R.; Smith, A. S.; Justin, Paul; Wilkin, W. A.; Walker, D. A.

SNELL HOUSE.

Organization.—Head of House, R. M. LOVETT; Vice Head, W. O. Wilson; Counselor, Head Professor H. P. Judson; Secretary-Treasurer, John Lamay; House Committee, Waldo Breeden, J. E. Raycroft, W. O. Wilson, K. G. Smith.

Members.—Members of the House in residence during the Autumn Quarter were: Dickerson, S. C.; Breeden, W.; Sperans, J.; Raycroft, J. E.; Nichols, F. D.; Hartley, E. E.; Parker, R. N.; Lovett, R. M.; Leiser, J.; Mosser, S. C.; Hulshart, John; Hering, F. E.; Lamay, J.; Barrett, C. R.; Wieland, O. E.; Shallice, G. W.; Rullkoetter, Wm.; Schnelle, F. O.; Peterson, H. A.; Wilson, W. O.; Abells, H. A.; Linn, J. W.; Roby, C. F.; Smith, K. G.; Tanaka, K.; Wiley, J. D.; Williams, J. W.; Macomber, C. C. Total, 28.

Guests.—Guests in residence during the Autumn Quarter were: Knapp, G. N.; Deffenbaugh, W.; McIntyre, M. D.; Snite, F. J.; Hershberger, W.; Hall, J. S.; Cohn, E. B.; Rubel, M.; Hunter, J. F.; Grant, F.; Campbell, G. A.; Freeman, J. E.; Burkhalter, R. P.; Lackner, E. C.; Walker, C. B.; Sawyer, G. H.; Abernethy, H. E.; Bachellé, C. V.; Loeb, L.; Fair, N. M.; Baker, E. Total, 21.

Total residents: members and guests, 49.

KELLY HOUSE.

Organization.—Head of House, Miss MARION TALBOT; Counselor, Head Professor J. Laurence Laughlin; House Committee, Misses Purcell, McClintock, Perkins, Kennedy, Kane, Dirks; Secretary, Miss Cary.

Members (resident).—Misses Adams, Cary, Goldsmith, Harris, Hubbard, Kane, Keen, Kennedy, McClintock, Messick, Perkins, Spray, Talbot, Wright.

Non-Resident Members.—Miss Demia Butler, Mrs. Clark, Misses Dirks, Driver, Ely, Johann, Lathe, MacDougall, A. McWilliams, B. McWilliams, Pellett, Pettigrew, Purcell, Runyon, Mrs. Stagg, Misses Start, Woodward.

Chief Events.—Chief events in the history of the House: Receptions on November 12 and December 10; private party on December 14.

BEECHER HOUSE.

Organization.—Head of House, ELIZABETH WALLACE; House Committee, Mrs. Gray, Misses Crotty, Agerter, and Gilbert.

Members.—Misses Agerter, Crandall, Crotty, Gilbert, Klock, Foster, Maynard, Osgood, Gilpatrick, Staunton, Scofield, Wilmarth, Harding, Stone, Winston, Strawn, Parker, Krohn, Kraft, Evans, Tefft, Kells, Miller, Elsie Miller, Moore, Downing, Hill, Ide, Root, Mrs. Gray.

Guests.—Misses L. Manning, G. Manning, Prosser.

Events.—Four House meetings have been held; two Monday receptions have been given.

NANCY FOSTER HOUSE.

Organization.—Head of House, Miss MYRA REYNOLDS; Assistant, Miss Emily Reynolds; Counselor, W. D. McClintock; House Committee, Marion Morgan, Jane Weatherlow, Agnes Cook, Mary Love; Entertainment Committee, Inez Hopkins, Grace Freeman, Edith Schwarz; Secretary and Treasurer, Emily Reynolds.

Members.—Misses Bartlett, Bean, Blaine, Bull, Capen, Condee, Cook, Daniels, Dumke, Daugherty, Davis, Davenport, Grace Freeman, Marilla Freeman, Goldthwaite, Hopkins, Jones, Kirkwood, Love, Loesch, Marat, Monzan, Nelson, Pratt, Myra Reynolds, Emily Reynolds, Richardson, Runyon, Sherwin, Sealey, Schwarz, Skillin, Helen Tunnickliff, Wood, Weatherlow.

Guests.—Misses France, Gould, Hastings, Kirby, Knott, LaMonte, Mendenhall, Sara Tunnickliff, Young.

Chief Events.—Two Monday receptions; Mrs. Palmer's reception to Faculty and Graduate Students; reception to Mrs. Potter Palmer; one private party; Halloween party.

REGISTRAR'S CASH STATEMENT.

FOR THE AUTUMN QUARTER ENDING DECEMBER 22, 1894.

RECEIPTS.		DISBURSEMENTS.	
Women's Commons - - -	\$ 4,011 50	Treasurer of the University, - - -	\$43,175 45
Examination fees - - -	325 00		
Matriculation fees - - -	1,080 00		
Tuition fees - - -	16,312 73		
University Library fees - - -	1,486 75		
Divinity Library fees - - -	260 00		
University Incidental fees - - -	1,486 75		
Divinity Incidental fees - - -	260 00		
Room Rent, Foster Hall - - -	\$ 1,350 10		
" " Kelly Hall - - -	826 00		
" " Beecher Hall - - -	1,186 00		
" " Snell Hall - - -	777 05		
" " Graduate Hall - - -	785 00		
	4,924 15		
Furniture Tax, Foster Hall - - -	\$ 72 00		
" " Kelly Hall - - -	39 68		
" " Beecher Hall - - -	53 00		
" " Snell Hall - - -	56 00		
" " Graduate Hall - - -	47 00		
	267 68		
Divinity Hall, heat, light, and care - - -	744 00		
University Extension - - -	11,057 03		
Library fines - - -	31 75		
Chemical Laboratory fees - - -	489 57		
Biological " " - - -	223 54		
Zoological " " - - -	10 00		
Special Registration " - - -	120 00		
Diplomas - - -	85 00		
Total - - -	\$43,175 45	Total - - -	\$43,175 45

THE EMPLOYMENT BUREAU.

REGISTRATION.				OCCUPATIONS AND EARNINGS.		
SCHOOL.	NUMBER REGISTERED.	RECEIVED WORK.	RECEIVED NO WORK.	OCCUPATION.	NUMBER ENGAGED.	TOTAL AM'T EARNED.
Graduate, -	31	23	8	Tutoring, - - -	16	\$366 50
Colleges, -	32	27	5	Public School Teaching - - -	14	1,584 00
Divinity, -	7	5	2	Commons Work - - -	3	72 00
Special, -	16	12	4	Clerking - - -	11	77 00
	86	67	19	Stenography and Typewriting	8	70 00
				Hotel and Housework -	9	191 18
				Newspaper Correspondence,	1	100 00
				Canvassing - - -	4	8 00
				Paper Carrying - - -	4	95 75
				Total - - -	68	\$2,564 43

MISCELLANEOUS.

Average amount earned in each situation, - \$38.29
 Of the 19 not receiving work :
 5 registered for some special teaching only.
 8 registered but did not enter the University.

NOTE.—Work done upon Campus and in Buildings in payment of tuition fees is not included.

THE QUARTERLY CALENDAR.

THE STUDENTS' FUND SOCIETY.

AUTUMN QUARTER, 1894.

Applications as per last report (corrected) -	19	Applications withdrawn - - -	2
New applications:		Applications rejected - - -	2
1) Graduate School - - -	10	Loans recommended:	
2) Academic Colleges - - -	5	1) Graduate School - - -	8
	15	2) Academic Colleges - - -	3
	<hr/>		15
Total	34	Total	<hr/> 15

The University Extension Division.

NATHANIEL BUTLER, *Director.*

THE LECTURE-STUDY DEPARTMENT.

CHARLES ZEUBLIN, *Secretary.*

COURSES OFFERED DURING THE AUTUMN QUARTER.

I. PHILOSOPHY.

ASSOCIATE PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

DR. SHEPARDSON.

Social Life in the American Colonies.

American Statesmen and great Historic Movements.

III. POLITICAL SCIENCE.

HEAD PROFESSOR JUDSON.

American Politics.

MR. CONGER.

Historical and Political Geography.

The Geography of Europe.

The Great Commercial Cities of Antiquity.

DR. WIRTH.

Neueste Geschichte von Afrika.

Gegenwärtige Zustände im Orient.

Herodot—der erste Geschichtsschreiber des Altertums.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. POTTER.

The Colonial Era.

The Making of the Nation.

MR. WEBSTER.

How we are Governed.

The Making and Makers of our Republic.

Six American Statesmen.

The American Revolution.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.

The Ethnic Foundation of Modern Civilization.

Political Foundation of Modern Civilization.

Baron and King—the Evolution of a Typical European Monarchy.

PROFESSOR GORDY.

The History of Political Parties in the United States.

Representative American Statesmen.

ASSOCIATE PROFESSOR THATCHER.

The History of the Middle Ages.

Mohammed, Mohammedanism, and the Crusades.

Europe in frühen Mittelalter.

ASSISTANT PROFESSOR GROSE.

The Political Development of the European Nations since 1792.

The Founding of the German Empire of Today.

Studies in the History of Europe from the French Revolution to the Present Time.

Character Studies in Nineteenth Century History.

MR. WISHART.

Monks and Monasteries.

VI. SOCIOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

The Structure and Life of Society.

Die Grundzüge Sociologie.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.

Questions of Monopoly and Taxation.

Some Social and Industrial Forces in American History.

ASSOCIATE PROFESSOR HENDERSON.

- Charities and Corrections.
The Family—a Sociological Study.

ASSISTANT PROFESSOR STARR.

- Some First Steps in Human Progress.
The Native Races of North America.
Early Man in Europe.
Evolution.

MR. ZEUBLIN.

- A Century of Social Reform.
English Fiction and Social Reform.

DR. MAX WEST.

- The New Philanthropy.

MR. GENTLES.

- First Aid to the Injured.

MR. FULCOMER.

- Some Leaders in Sociology.
Utopias.

MR. RAYMOND.

- Social Aspects of the Labor Movement.

VII. COMPARATIVE RELIGION.

MR. BUCKLEY.

- Shinto, the Ethnic Faith of Japan.
The Science of Religion.

VIII. THE SEMITIC LANGUAGES AND LITERATURES

MR. WALKER.

- The History and Institutions of Islam.

XI AND XII. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

- Six Readings from Horace.
Homer, the Iliad.
Studies in the Greek Drama.

ASSOCIATE PROFESSOR BURGESS.

- Preparatory Latin Teaching.

ASSISTANT PROFESSOR CASTLE.

- The Decline and Fall of Greece.

ASSISTANT PROFESSOR MILLER.

- Virgil.

XIII. ROMANCE LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR BERGERON.

- French Literature.
Littérature Française.

XV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

- Studies in Biblical Literature.
Ancient Tragedy for English Audiences.
Stories as a Mode of Thinking.
Spenser's Legend of Temperance.
Literary Criticism and Theory of Interpretation.
Shakespeare's "Tempest" with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

- Preliminary Course in English Literature.
American Literature.

ASSOCIATE PROFESSOR MCCLINTOCK.

- Introduction to the Study of Literature.
English Romantic Poets from 1780 to 1830.

ASSISTANT PROFESSOR CROW.

- Literature of the Age of Elizabeth. A Course
Preparatory to the Study of Shakespeare.
George Meredith.

ASSISTANT PROFESSOR TOLMAN.

- Studies in English Poetry.

MR. CLARK.

- Poetry as a Fine Art.

MR. HEBRICK.

- The Creation of the English Novel.
The Decay of Romanticism in English Poetry.
Studies in Style.

MR. HOOPER.

- American Prose Writers.
American Poets.

MR. OGDEN.

- History and Structure of English Speech.
Old English Life and Literature.
Modern English Poetry.

MISS CHAPIN.

- General Survey of American Literature.
Masterpieces of English Poetry.

MR. JONES.

- Prophets of Modern Literature.
Masterpieces of George Eliot.
Social Studies in Henrik Ibsen.

XVI. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR HARPER.

- The Stories of Genesis.
Old Testament Thought Concerning Suffering
Skepticism, and Love.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR MOULTON.

Studies in Biblical Literature.

PROFESSOR HIRSCH.

Religion in the Talmud.

The Jewish Sects.

Biblical Literature.

History of Judaism.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.

The Forgotten Empire and the Old Testament.

ASSOCIATE PROFESSOR THATCHER.

The Apostolic Church.

The Life and Work of Paul.

DR. KENT.

Hebrew Poetry.

Hebrew Prophecy studied in the Light of the Minor Prophets.

Messianic Prophecy.

The Messianic Predictions of the Hebrew Prophets.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but excluded from, Our Bible.

XVIII. ASTRONOMY.

DR. SEE.

General Astronomy.

XIX. PHYSICS.

ASSOCIATE PROFESSOR STRATTON.

Sound.

ASSISTANT PROFESSOR CORNISH.

Hydrostatics and Pneumatics.

MR. BELDING.

Elements of Electricity and Magnetism.

XX. CHEMISTRY.

MR. MORSE.

General Chemistry.

Chemistry of Every-day Life.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Landscape Geology.

The Evolution of the North American Continent.

XXII. ZOÖLOGY.

MR. BOYER.

Zoölogy.

MICROSCOPY.

MR. MORSE.

The Microscope and its Uses.

MUSIC.

DR. WILLIAMS.

Music.

ART.

MR. FRENCH.

Painting and Sculpture.

MR. TAFT.

Ancient Sculpture.

Contemporary French Art.

German Art of the Nineteenth Century.

Art at the Columbian Exposition.

Painting and Sculpture of our Time.

MR. SCHREIBER.

History of Art.

RUSSIAN LITERATURE.

DR. HOURWICH.

Studies in Russian Literature.

SCANDINAVIAN LITERATURE.

MR. DAHL.

Scandinavian Literature.

JAPANESE INSTITUTIONS.

MR. CLEMENT.

Japan and the Japanese.

Japanese History and Civilization.

LIST OF CENTRES, WITH ADDRESS OF SECRETARIES.

CENTRES IN CHICAGO.

- All Souls**—Mrs. E. T. Leonard, 6600 Ellis av.
Association—Mr. C. D. Lowry, 143 Park av.
Centenary—Mr. A. E. Trowbridge, 97 Laffin st.
Church of the Redeemer—Hon. S. N. Brooks, 271 Warren av.
Columbia School of Oratory—Mrs. Ida M. Riley, 524 E. Adams st.
Drexel—Mr. E. C. Page, 56 Wabash av.
Englewood—Mrs. Kate L. Dakin, 6907 Yale av.
Garfield Park—Adelia E. Robinson, 1527 Carroll av.
Hull-House—Miss Jane Addams, 335 S. Halsted st.
Irving Park—Mrs. Ernest Pitcher.
Kenwood—Mr. Charles B. Van Kirk, 4754 Greenwood av.
Leavitt Street—Miss Nellie Dunton, 840 Adams st.
Memorial—Mrs. L. A. Crandall, 4443 Berkley av.
Newberry Library—Mr. George Leland Hunter, Hotel Granada, Ohio and Rush sts.
Oakland—Mr. J. A. Burhans, 204 Oakwood Boul.
People's Institute—Mr. W. G. Clarke, 54 Campbell Park.
Plymouth—Dr. C. E. Boynton, Hotel Everett, 3617-23 Lake av.
Ravenswood—Mr. M. L. Roberts.
St. James—Miss Minnie R. Cowan, 2975 Wabash av.
St. Paul's—Miss Sarah Hanson, Cottage Grove av. and 31st st.
Union Park—Dr. R. N. Foster, 553 Jackson Boul.
University—Mr. W. E. Chalmers, The University of Chicago.
University Settlement—Miss Mary McDowell, 4655 Grose av.
Wicker Park—Miss A. A. Deering, 23 Ewing Place.
Windsor Park—Frank G. DeGolyer, 100, 75th st.
Woodlawn—Rev. W. R. Wood, 6231 Sheridan av.

CENTRES OUTSIDE OF CHICAGO.

- Allegan (Mich.)**—Miss Frances H. Wilkes.
Aurora (Ill.)—Mrs. A. E. Simpson.
Austin (Ill.)—Mr. S. R. Smith.
Benton Harbor (Mich.)—Miss Lucy Rice.
Burlington (Iowa)—Mr. E. M. Nealley.
Canton (Ill.)—Supt. C. M. Bardwell.
Clinton (Ia.)—Supt. O. P. Bostwick.
Constantine (Mich.)—Miss Rose M. Cranston.
Danville (Ill.)—Mrs. J. W. Moore.
Davenport (Ia.)—Rev. Arthur M. Judy.
Detroit (Mich.)—Mr. H. A. Ford, 393 Second av.
Dowagiac (Mich.)—Supt. S. B. Laird.
Downer's Grove (Ill.)—Miss Gertrude Gibbs.
Dubuque (Ia.)—Miss E. E. Gehrig, 1036 White st.
Earlville (Ill.)—Mrs. James McCredie.
Evanston (Ill.)—Mrs. E. B. Harbert.
Elgin (Ill.)—Miss Hattie B. Kneeland.
Fayette (Ia.)—Mrs. H. Sweet.
Flint (Mich.)—Miss Emily E. West.
Freeport (Ill.)—Mr. J. F. Shaible.
Galesburg (Ill.)—Pres. John H. Finley.
Geneseo (Ill.)—Mrs. W. H. Foster.
Geneva (Ill.)—Mr. H. H. Robinson.
Glencoe (Ill.)—Mrs. Emma Dupee Coy.
Grand Haven (Mich.)—Mr. George A. Faus.
Hannibal (Mo.)—Mr. Robert Elliott.
Hinsdale (Ill.)—Miss Georgia Blodgett.
Indianapolis (Ind.)—Miss Amelia W. Platter, The Wyandot.
Joliet (Ill.)—Supt. W. J. Greenwood.
Kalamazoo (Mich.)—Mr. S. O. Hartwell.
La Fayette (Ind.)—Miss Helen Hand.
La Grange (Ind.)—Mr. Charles H. Taylor.
La Moille (Ill.)—Mr. A. G. Gates.
La Porte (Ind.)—Mr. F. M. Plummer.
Lebanon (Ind.)—Miss Mary Johnson.
Lincoln (Ill.)—Rev. J. S. Wrightnour.
Marshall (Mich.)—Miss M. Louise Obenauer.
Mason City (Ia.)—Miss Anna P. Adams.
Mendota (Ill.)—Prin. S. E. Beede.
Minneapolis (Minn.)—Rev. W. P. McKee.
Moline (Ill.)—Mrs. Margaret Finley Barnard.
Monmouth (Ill.)—Miss Mollie Wallace.
Mt. Carroll (Ill.)—Mrs. F. S. Smith.
Muskegon (Mich.)—Mrs. M. A. Keating.
Niles (Mich.)—Supt. J. D. Schiller.
Oak Park (Ill.)—Miss Virginia R. Dodge.
Osage, (Ia.)—Rev. W. W. Gist.
Ottawa (Ill.)—Rev. J. H. Edwards.
Owasso (Mich.)—Mr. S. E. Parkill.
Palatine (Ill.)—Miss Vashiti Lambert.
Pekin (Ill.)—Miss S. Grace Rider.
Peoria (Ill.)—Miss Caroline B. Bourland.
Plainwell (Mich.)—Mrs. L. Arnold.
Plymouth (Ind.)—Mr. Jacob Martin.
Polo (Ill.)—Mr. C. D. Reed.
Princeton (Ill.)—Mr. R. A. Metcalf.
Quincy (Ill.)—Mr. E. A. Clarke.
Riverside (Ill.)—Mr. A. W. Barnum.
Rochelle (Ill.)—Mr. C. F. Philbrook.
Rockford (Ill.)—Mrs. Anna C. Vincent.
Rock Island (Ill.)—Prin. George L. Leslie.

Rogers Park (Ill.)—Mr. Frank Brown.
 Round Table (Kankakee, Ill.)—Mr. Arthur Swannell.
 Saginaw (Mich.)—Prin. W. W. Warner, 414 S. Jefferson av. E. S.
 St. Charles (Ill.)—Prin. H. B. Wilkinson.
 St. Joseph (Mich.)—Supt. G. W. Loomis.
 South Bend (Ind.)—Mrs. E. G. Kettring.
 Springfield (Ill.)—Supt. J. H. Collins.
 Sterling (Ill.)—Mr. Curtis Bates.

Streator (Ill.)—Mr. J. E. Williams.
 Terre Haute (Ind.) State Normal School—Mr. A. R. Charman.
 Tremont (Ill.)—Dr. J. M. Coody.
 Washington (Ia.)—Rev. Arthur Fowler.
 Waterloo (Ia.)—Miss Lydia Hinman.
 Waukegan (Ill.)—Mrs. Metta Smith Starin.
 Winona (Minn.)—Mr. Fred S. Bell.

DISTRICT ASSOCIATIONS.

Cook County Association—Mr. George Leland Hunter, Northern Illinois Association—Miss Flora Guiteau,
 Hotel Granada, Ohio and Rush sts. Freeport, Ill.

STATEMENT OF THE WORK OF THE QUARTER.

ILLINOIS (In Chicago).

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	No. of Courses at Centre.	Average Attendance at Lecture.	Average Attendance at Class.
All Souls'	Charles Zeublin	English Fiction and Social Reform	Oct. 7	7	133	133
Drexel	Albion W. Small	Sociology	Nov. 12	6	200	40
Garfield Park	Nathaniel Butler	Studies in American Literature	Oct. 12	1	183	135
Kenwood	Oliver J. Thatcher	Mohammed, Moham'edanism and the Crusades	Nov. 13	9	77	50
Newberry Library	Wm. D. McClintock	The English Romantic Poets	Nov. 16	15	80	80
St. James'	Rollin D. Salisbury	Landscape Geology	Oct. 16	4	197	125
Wicker Park	Jenkin Lloyd Jones	Prophets of Modern Literature	Oct. 19	5	120	12
Windsor Park	Lorado Taft	Painting and Sculpture of Our Time	Oct. 22	1	138	17
Woodlawn Park	Howard B. Grose	Character Studies in Modern History	Nov. 2	2	145	145

ILLINOIS (Outside of Chicago).

Aurora	Charles R. Henderson	Charities and Corrections	Nov. 9	2	255	*
Canton	F. W. Shepardson	Social Life in the American Colonies	Oct. 9	2	126	75
Danville	Jerome H. Raymond	Social Aspects of the Labor Movement	Oct. 23	1	100	75
Downer's Grove	Frederick Starr	Some First Steps in Human Progress	Oct. 15	1	170	150
Earlville	Jerome H. Raymond	Social Aspects of the Labor Movement	Dec. 8	1	60	50
Freeport	Richard G. Moulton	Studies in Shakespeare's Tragedies	Nov. 12	3	233	168
Galesburg	Frederick Starr	Native Races in North America	Nov. 23	5	600	300
Glencoe	Frederick Starr	Some First Steps in Human Progress	Oct. 5	2	70	70
Hinsdale	Frederick Starr	Some First Steps in Human Progress	Oct. 16	1	275	200
Joliet	Frederick Starr	Some First Steps in Human Progress	Nov. 14	5	147	110
Joliet	Edward W. Bemis	Questions of Labor Reform	Oct. 3	4	84	65
LaMoille	Jerome H. Raymond	Social Aspects of the Labor Movement	Nov. 22	2	65	25
Lincoln	F. W. Shepardson	Social Life in the American Colonies	Oct. 12	2	108	108
Mendota	Jerome H. Raymond	Social Aspects of the Labor Movement	Dec. 7	1	200	125
Moline	F. W. Shepardson	Social Life in the American Colonies	Oct. 8	1	215	215
Mt. Carroll	Charles Zeublin	English Fiction and Social Reform	Oct. 5	1	87	87
Ottawa	Charles Zeublin	English Fiction and Social Reform	Nov. 8	1	202	20
Pekin	F. W. Shepardson	Social Life in the American Colonies	Oct. 11	3	74	21
Peoria	Nathaniel Butler	Some Studies in American Literature	Oct. 8	5	351	213
Peoria	S. H. Clark	Poetry as a Fine Art	Nov. 19	6	342	133
Polo	Jerome H. Raymond	Social Aspects of the Labor Movement	Dec. 11	1	125	125
Princeton	Richard G. Moulton	Shakespeare's Tempest	Nov. 14	3	205	184
Rockford	Richard G. Moulton	Stories as a Mode of Thinking	Nov. 16	4	487	
Rock Island	Charles Zeublin	English Fiction and Social Reform	Oct. 20	1	175	175
Springfield	Richard G. Moulton	Stories as a Mode of Thinking	Nov. 15	5	227	155
Sterling	Richard G. Moulton	Studies in Shakespeare's Tragedies	Nov. 13	4	241	
Streator	Charles Zeublin	English Fiction and Social Reform	Oct. 12	1	175	175
Tremont	F. W. Shepardson	Social Life in the American Colonies	Oct. 10	1	52	21
Waukegan	Charles Zeublin	English Fiction and Social Reform	Oct. 22	1	322	322

THE QUARTERLY CALENDAR.

INDIANA.

CENTRE.	LECTURER.	SUBJECT.	Date of Beginning.	No. of Courses at Centre.	Average Attendance at Lecture.	Average Attendance at Class.
La Grange.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 26	1	46	46
La Porte.....	Lorado Taft.....	Painting and Sculpture of Our Time.....	Nov. 21	2	264	
Lebanon.....	Nathaniel Butler....	Some Studies in American Literature.....	Nov. 26	1	130	125
Plymouth.....	Howard B. Grose.....	Development of European Notions.....	Nov. 13	1	260	260
South Bend.....	Charles Zeublin.....	English Fiction and Social Reform.....	Oct. 9	2	300	50

IOWA.

Burlington.....	Edward W. Bemis...	Questions of Labor and Social Reform.....	Oct. 23	1	90	75
Clinton.....	Charles Zeublin.....	English Fiction and Social Reform.....	Nov. 3	1	300	300
Dubuque.....	Benjamin S. Terry....	An Introduction to the Study of History.....	Oct. 2	2	400	350
Fayette.....	Edward W. Bemis...	Questions of Social Reform.....	Nov. 7	1	60	50
Mason City.....	Edward W. Bemis...	Questions of Social Reform.....	Nov. 17	1	128	110
Osage.....	Edward W. Bemis...	Questions of Social Reform.....	Nov. 8	1	142	125
Waterloo.....	Edward W. Bemis...	Questions of Social Reform.....	Nov. 16	1	232	178

MICHIGAN.

Allegan.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 2	1	100	40
Benton Harbor.....	Charles Zeublin.....	English Fiction and Social Reform.....	Oct. 15	1	150	150
Constantine.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 4	1		
Dowagiac.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 5	1	117	80
Flint.....	F. W. Shepardson.....	Amer. Statesmen & Great Historic Movements	Oct. 3	3	250	250
Grand Haven.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 15	1	107	50
Marshall.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 3	1		
Muskegon.....	Charles Zeublin.....	English Fiction and Social Reform.....	Oct. 16	1	168	168
Niles.....	William C. Webster.	Making and Makers of Our Republic.....	Nov. 8	1	270	200
Owosso.....	F. W. Shepardson.....	Amer. Statesmen & Great Historic Movements	Oct. 21	1	175	175
Plainwell.....	William C. Webster.	Making and Makers of Our Republic.....	Oct. 13	1	111	24
Saginaw.....	F. W. Shepardson.....	Amer. Statesmen & Great Historic Movements	Oct. 6	2	210	210
St. Joseph.....	Charles Zeublin.....	English Fiction and Social Reform.....	Oct. 17	1	250	250

MISSOURI.

Hannibal.....	F. W. Shepardson.....	Amer. Statesmen & Great Historic Movements	Oct. 19	1	125	125
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* Blank spaces indicate that no report has been received from the centre.

SUMMARY OF THE ACTIVE LECTURE-STUDY CENTRES BY STATES.

Illinois—	
In Chicago.....	9
Outside of Chicago.....	29
Indiana.....	5
Iowa.....	7
Michigan.....	13
Missouri.....	1
Total.....	64

GENERAL SUMMARY BY DEPARTMENTS.

History.....	21
Sociology and Anthropology.....	29
English Language and Literature.....	11
Geology.....	1
Art.....	2
Total.....	64

THE CLASS-STUDY DEPARTMENT.

JEROME H. RAYMOND, *Secretary.*

AUTUMN QUARTER, 1894.

LOCATION.	SUBJECT.	INSTRUCTOR.	No. IN CLASS
Agassiz School.....	Elementary Plant Morphology.....	Frederick Lucas.....	28
Austin, Ill.....	Nineteenth Century History.....	James F. Baldwin.....	6
Burr School.....	Civil Government in the United States.....	Addison Blakely.....	8
Burr School.....	The English Romantic Poets.....	William E. Henry.....	6
Chase School.....	Plant Evolution.....	Henry L. Clarke.....	39
Chicago Athenæum.....	The Geography of Europe.....	Charles T. Conger.....	3
Chicago Athenæum.....	Special Topics in Psychology.....	John Dewey.....	15
Chicago Athenæum.....	The English Romantic Poets.....	William D. McClintock.....	13
Chicago Athenæum.....	Historical Development of Roman Satire.....	Frank J. Miller.....	7
Chicago Athenæum.....	Historical English Grammar.....	Howard N. Ogden.....	3
Chicago Athenæum.....	History of English Literature.....	Howard N. Ogden.....	6
Chicago Athenæum.....	Movements of Thought in the 19th Century.....	James H. Tufts.....	6
Chicago Athenæum.....	Goethe's Lyrical Poetry.....	Camillo von Klenzo.....	11
Chicago Preparatory School.....	Elementary French.....	Paul de Compigny.....	4
Cobb Lecture Hall.....	Descriptive Political Economy.....	William Hill.....	6
Cobb Lecture Hall.....	Historical Development of Roman Satire.....	Frank J. Miller.....	6
Cobb Lecture Hall.....	Elementary German.....	George Mulfinger.....	3
Cobb Lecture Hall.....	Cæsar for Beginners.....	Claire A. Orr.....	12
Cobb Lecture Hall.....	Greek for Beginners.....	William C. Sayrs.....	2
Cook County Normal.....	Special Topics in Psychology.....	John Dewey.....	239
Dolton.....	Elementary Zoology.....	Warrollo Whitney.....	11
Ellen Mitchell School.....	Geographic Geology.....	Rollin D. Salisbury.....	44
First Presbyterian Church.....	Outlines of Hebrew History.....	Charles F. Kent.....	200
Fourth Presbyterian Church.....	Outlines of Hebrew History.....	Charles F. Kent.....	60
Grand Boulevard, Presbyterian Church.....	Outlines of Hebrew History.....	Charles F. Kent.....	60
Grand Boulevard, 3644.....	Outlines of English Literature.....	Mary E. Love.....	2
Greenwood Avenue School.....	History of American Literature.....	Edward C. Page.....	6
Hammond, Ind.....	Sociology.....	Ira W. Howerth.....	8
Humboldt Park Baptist Church.....	Outlines of Hebrew History.....	Charles F. Kent.....	25
Hyde Park High School.....	General Physiology.....	Walter R. Mitchell.....	4
Kershaw School.....	History of American Literature.....	Edward C. Page.....	19
Lake View.....	Outlines of Hebrew History.....	Charles F. Kent.....	34
North Halsted Street, 1013.....	Cæsar for Beginners.....	Claire A. Orr.....	13
North Side Turnverein.....	Modern History.....	Albrecht Wirth.....	4
Pacific School.....	Geographic Geology.....	Henry B. Kummel.....	13
Park Side School.....	Geographic Geology.....	Rollin D. Salisbury.....	37
Raymond Mission.....	Social Economics.....	Charles R. Henderson.....	12
South Chicago High School.....	Elementary Zoology.....	Warrollo Whitney.....	23
Self Educational Club.....	Civil Government in the United States.....	Roy N. Miller.....	12
South Evanston.....	Elementary French.....	Paul de Compigny.....	8
University Settlement.....	English Literature.....	Robert M. Lovett.....	15
Valparaiso, Ind.....	Sociology.....	Ira W. Howerth.....	25
Von Humboldt School.....	The English Romantic Poets.....	Vernon P. Squires.....	30
Warren Avenue, 45.....	Scandinavian Literature.....	Olaus Dahl.....	7
Washington School.....	Elementary Plant Morphology.....	Frederick Lucas.....	29
Western Union Building.....	Plane Geometry.....	Herbert E. Cobb.....	9
Western Union Building.....	Rhetoric and English Composition.....	Robert M. Lovett.....	13
Western Union Building.....	Cæsar for Beginners.....	Claire A. Orr.....	6
Western Union Building.....	Mediæval History.....	William Rulkötter.....	5
Total.....			1156
Total Number Classes.....			49

SUMMARY OF THE UNIVERSITY EXTENSION CLASSES BY DEPARTMENTS.

	NO. CLASSES	ENROLLMENT		NO. CLASSES	ENROLLMENT
Biblical Literature.....	5	379	History.....	3	15
Philosophy.....	3	280	German.....	2	14
English.....	10	113	French.....	2	12
Geology.....	3	94	Mathematics.....	1	9
Botany.....	3	94	Scandinavian Literature.....	1	7
Sociology.....	3	46	Political Economy.....	1	6
Latin.....	5	44	Physiology.....	1	4
Zoology.....	2	34	Greek.....	1	2
Political Science.....	8	23			

Total..... 1156
Average Number per Class..... 24

THE CORRESPONDENCE-STUDY DEPARTMENT.

OLIVER J. THATCHER, *Secretary.*

ACADEMY AND ACADEMIC COURSES.

UNIVERSITY COLLEGES.

NAME OF COURSE.	INSTRUCTOR AND READER.	NO. OF STUDENTS.	NO. OF RECITA- TION PAPERS DURING QUARTER.	NAME OF COURSE.	INSTRUCTOR.	READER.	NO. OF STUDENTS.	NO. OF RECITA- TION PAPERS DURING QUARTER.
Latin.	Miss Pellett.	18	88	Psychology.	Assoc. Prof. Strong.	Mr. Sisson.	2	10
Mathematics.	Asst. Prof. Hoover.	20	55	Logic.	Assoc. Prof. Tufts.	Assoc. Prof. Tufts.	1	12
Pol. Economy.	Dr. West.	4	17	Latin.	Asst. Prof. Miller.	_____	2	
Rhetoric.	Mr. Lovett.	13	40	Bib. Lit. in Eng.	_____	Mr. Woodruff.	65	56
Eng. Literature.	Assoc. Prof. McClintock.	17	62	Semitic Languages.	_____	Dr. Crandall.	152	345
Tennyson and Browning.	Mr. Triggs.	3	4	Arabic.	Prof. Sanders.	Prof. Sanders.	3	28
Hist. of the Middle ages.	Assoc. Prof. Thatcher.	5	34	N. T. Greek.	_____	Mr. Votaw.	43	139
Hist. of the U. S.	Dr. Shepardson.	5	48	Assyrian.	Mr. Berry.	Mr. Berry.	1	
Greek.	Dr. Bronson.	1	13					
French.	Mr. Neff.	1	5					
German.	Mr. Spillman.	2	11					

GRADUATE AND DIVINITY COURSES.

SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS	SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS.
Philosophy.	Assoc. Prof. Tufts.	2	Mathematics.	Asst. Prof. Hoover.	6
American History.	Dr. Shepardson.	1	Greek.	Prof. Shorey.	1
Social Science.	Assoc. Prof. Henderson.	3	German.	Assoc. Prof. Cutting.	2
	Asst. Prof. Talbot.	1	Anthropology.	Asst. Prof. Starr.	1
Geology.	Head Prof. Chamberlin.	1	Sanskrit.	Assoc. Prof. Buck.	1
Mathematics.	Prof. Moore.	1	Early English.	Asst. Prof. Blackburn.	2

The University Library and Libraries.

During the Autumn Quarter there have been added to the Library of the University a total number of 5650 new books from the following sources:

Books added by purchase, 5476 vols.

Distributed as follows:

General Library, 1772 vols.; Philosophy, 364 vols.; Political Economy, 61 vols.; Sociology, 39 vols.; Anthropology, 4 vols.; Comparative Religions, 38 vols.; Semitics, 203 vols.; New Testament, 14 vols.; Philology, 39 vols.; Greek, 46 vols.; Latin, 57 vols.; Romance, 137 vols.; German, 34 vols.; English, 374 vols.; Mathematics, 23 vols.; Physics, 182 vols.; Chemistry, 486 vols.; Geology, 208 vols.; Biology, 9 vols.; Zoology, 25 vols.; Palæontology, 40 vols.; Botany, 538 vols.; Physiology, 128 vols.; Systematic Theology, 1 vol.; Homiletics, 6 vols.; Church History, 10 vols.; Political Science, 245 vols.; History, 304 vols.; Astronomy, 53 vols.; Classical Archæology, 17 vols.; Biblical and Patristic Greek, 1 vol.; Latin and Greek, 2 vols.; Morgan Park Academy, 16 vols.

Books added by gift, 153 vols.

Distributed as follows:

General Library, 51 vols.; Political Economy, 17 vols.; Comparative Religions, 1 vol.; Geology, 20 vols.; Semitics, 3 vols.; English, 11 vols.; Physics, 2 vols.; History, 33 vols.; Astronomy, 15 vols.

Books added by exchange for University Publications, 21 vols.

Distributed as follows:

Journal of Geology, 9 vols.; Biblical World, 12 vols.

Library Correspondence.

Total number of postoffice letters sent from the Librarian's office, 436 letters; 251 postal cards.

Letters soliciting books for review, exchanges with University Publications and general business, as follows: Foreign, 104; United States, 332; Gift Notices, 153; Fine notices, 406.

Money collected on Library fines for the Quarter, \$32.25.

The University Press Division.

C. W. CHASE, Director.

THE PUBLISHING DEPARTMENT.

PUBLICATIONS ISSUED FROM THE UNIVERSITY PRESS.

OCTOBER-DECEMBER, 1894.

A. Periodicals.

THE JOURNAL OF POLITICAL ECONOMY.

Quarterly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 75 cents.

Number issued, 1,000; number of subscribers, 310; additions during quarter, 21.

Vol. III, No. 1, December, 1894; pp. 1-144.

State Railways in Australia, by William Hill.—*Nature of Sociology*, by Bernard Moses.—*Adequacy of the Customs-Revenue System*, by Robert F. Hoxie.—*State Aid to Railroads in Missouri*, by John Wilson Million.—NOTES.—BOOK REVIEWS.—APPENDIX.

THE JOURNAL OF GEOLOGY.

Eight numbers yearly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 50 cents.

Number issued, 700; number of subscribers, 330; additions during quarter, 53.

Vol. II, No. 7, October-November, 1894; pp. 649-758.

Glacial Studies in Greenland, by T. C. Chamberlin.—*On a Basic Rock Derived from Granite*, by C. H. Smyth, Jr.—*The Quartzite Tongue at Republic, Michigan*, by H. F. Smyth.—*A Sketch of Geological Investigation in Minnesota*, by N. H. Winchell.—STUDIES FOR STUDENTS: *The Drift—Its Characteristics and Relationships* (Part II.), by Rollin D. Salisbury.—EDITORIALS.—REVIEWS.—ANALYTICAL ABSTRACTS OF CURRENT LITERATURE.—RECENT PUBLICATIONS.

Vol. II, No. 8, November-December, 1894; pp. 759-878.

George Huntington Williams, by J. P. Iddings.—*Glacial Studies in Greenland* (Part II.), by T. C. Chamberlin.—*A Petrological Sketch of Aegina and Melhara*, by Henry S. Washington.—*The Basic Massive Rocks of the Lake Superior Region*, by W. S. Bayley.—*The Geological Survey of Arkansas*, by J. C. Branner.—STUDIES FOR STUDENTS: *The Drift—Its Characteristics and Relationships* (Part III.), by Rollin D. Salisbury.—EDITORIALS.—REVIEWS.—ANALYTIC ABSTRACTS OF CURRENT LITERATURE.—RECENT PUBLICATIONS.—INDEX.

THE BIBLICAL WORLD.

Monthly. 8vo. \$2.00 per year. Foreign countries \$2.50. Single numbers 20 cents.

Number issued, 3000; number of subscribers, 1865; additions to subscription list during the quarter, 266.

Vol. IV, No. 4, October, 1894; pp. 241-320.

EDITORIALS.—*August Dillmann*, by Rev. George L. Robinson.—*The Child Prophecies of Isaiah: Isaiah 7: 1-9: 7*, by Professor George W. Davis, Ph.D.—*The Human Element in the Early Stories of Genesis*, by William R. Harper.—STUDIES IN PALESTINIAN GEOGRAPHY, IV.: *Samaria*, by Rev. Professor J. S. Riggs.—*The Bible in the Theological Seminary: The English Bible in Theological Seminaries*, by Rev. George W. Gilmore.—*Comparative-Religion Notes*.—SYNOPSIS OF IMPORTANT ARTICLES.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. IV, No. 5, November, 1894; pp. 321-400.

EDITORIAL.—*The Course of Thought in Ecclesiastes*, by Professor F. B. Denio.—*The Faults of the Early Christians as shown in the Epistle of James*, by Rev. E. P. Burtt.—*Man's Conception of God from an Historical Standpoint*, by John W. Smith, LL. D.—*The Divine Element in the Early Stories of Genesis*, by William R. Harper.—*The Bible in the Theological Seminary: Shall the Old Testament be used as a Medium of Christian Teaching?* by Professor G. W. Schodde.—*Comparative-Religion Notes*.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. IV, No. 6, December, 1894; pp. 101-480.

EDITORIAL.—*A Theory of the Divine and Human Elements in Genesis*, by William R. Harper.—STUDIES IN PALESTINIAN GEOGRAPHY, V.: *Galilee*, by Rev. Professor J. S. Riggs.—*Saul Ben Kish*, by Robert Kerr Eccles, M. D.—*Exploration and Discovery*, by J. Hunt Cooke.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

THE UNIVERSITY EXTENSION WORLD.

Quarterly. 8vo. \$1.00 per year, postage prepaid. Single numbers, 25 cents.

Number issued 1000; number of subscribers, 134; additions to subscription list during the quarter, 3.

Vol. IV, No. 2, October, 1894; pp. 57-117.

EDITORIAL.—*The London Congress*, by Nathaniel Butler.—*Extension Teaching and the State Universities*, by Howard N. Oden.—*An English District Association: an Experiment*, by Beatrice Vivian.—*Two Years of University Extension*, by Francis W. Shepardson.

B. Books and Pamphlets.

Studies in Classical Philology (Preprint from Volume I). *The Anticipatory Subjunctive in Greek and Latin*, by WILLIAM GARDNER HALE. 8vo., pp. 92, price, 50 cents net.

Germanic Studies, I.; Der Conjunktiv bei Hartmann

von Aue, von STARR WILLARD CUTTING. 8vo., pp. 52 + 22 Tables, price, 50 cents net.

The History of the English Paragraph, by EDWIN HERBERT LEWIS. 8vo., pp. 200, price, 50 cents net.

THE BOOK, PURCHASE, AND SALE DEPARTMENT.

QUARTERLY REPORT, ENDING OCTOBER 1, 1894.

1. Books purchased for the University, classified according to departments:

Philosophy, \$296.48; Political Economy, \$447.97; Political Science, \$497.84; History, \$25.76; Classical Archaeology, \$69.79; Social Science, \$61.29; Comparative Religion, \$86.97; Semitics, \$478.86; Biblical Literature, N. T., \$17.50; Sanskrit and Comparative Philology, \$40.47; Greek, \$64.65; Latin, \$105.09; Romance, \$4.42; German, \$87.92; English, \$396.08; Mathematics, \$23.95; Astronomy, \$89.66; Physics, \$40.31; Chemistry, \$45.16; Geology, \$698.32; Zoology, \$48.74; Anatomy and Histology, \$38; Palæontology, \$35.84; Botany, \$16.56; Physical Culture, \$.27; Morgan Park Academy, \$70.27; Systematic Theology, \$6.52; Church History, \$20.28; Homiletics, \$6.73; University Extension Loan Library, \$366.15; Divinity, \$.84; Biology, \$4.13; Observatory, \$7.20; General Library, \$7.06. Total, \$4,664.93.

2. Apparatus purchased, classified according to departments:

Philosophy, \$137.53; Anthropology, \$11.13; Mathematics, \$18.05; Astronomy, \$346.47; Physics, \$354.10; Chemistry, \$442.27; Geology, \$4,756.49; Zoology, \$1,175.46; Anatomy and Histology, \$22.09; Physiology, \$103.28; Neurology, \$19.63; Palæontology, \$364.40; Botany, \$39.47; Morgan Park Academy, \$101.58; Biology (store account), \$103.28. Total, \$8,025.13.

3. Supplies purchased and classified according to

a) Departments:

Philosophy, \$56.55; Political Economy, \$12.29; Political Science, \$22.87; History, \$24.28; Classical Archaeology, \$8.50; Social

Science, \$5.00; Anthropology, \$50.85; Comparative Religions, \$5.09; Semitics, \$1.37; Biblical Literature, N. T., \$6.14; Sanskrit and Comparative Philosophy, \$11.20; Greek, \$16.20; Latin, \$16.00; Romance, \$20.20; German, \$20.90; English, \$26.78; Mathematics, \$24.05; Astronomy, \$3.60; Physics, \$28.83; Chemistry, \$82.41; Geology, \$66.33; Zoology, \$46.07; Anatomy and Histology, \$18.18; Physiology, \$9.84; Neurology, \$5.90; Palæontology, \$10.95; Botany, \$21.10; Physical Culture, \$1.07; Morgan Park Academy, \$188.15; Church History, \$.38; University Extension Loan Library, \$3.65; Divinity, \$25.13; Biology, \$4.57; General Library, \$32.39. Total \$376.82.

b) Offices:

President's, \$21.59; Dean's, \$51.51; Secretary's, \$77.27; Registrar's \$51.50; Examiner's, \$190.93; Recorder's, \$4.45; University Extension, \$141.78. Total, \$539.03.

4. Books and Stationery purchased for the Book-store, \$4,399.32.

5. Books and Stationery sold through the Book-store, \$6,151.28.

6. Expenses for quarter for salaries: manager, book-keeper, stenographer, and clerks—Total for department, \$1,350.99.

The University Affiliations.

REPORT FOR AUTUMN QUARTER, 1894.

DES MOINES COLLEGE.

(DES MOINES, IOWA)

HERBERT LEE STETSON, *President.*

List of Instructors, with Number and Character of Departments :

<i>Courses:</i>	NO. OF COURSES.	STUDENTS.
Blakslee, T. M. 1 DM. (Plane Geometry); 1 DM. (Trigonometry); 1 DM. (Analytics); 1 DM. (Elementary Algebra); 1 DM. (Astronomy).	Philosophy: 4 (DM.; DM.)	12
Goodell, F. E. 1 DM. (Qualitative Analysis); 1 MM. and 1 M. (Qualitative Analysis); 2 MM. (General Chemistry); 1 DM. and 1 M. (Mechanics and Sound).	Political Economy: 2 (1 DM.)	7
Goodrich, H. L. 1 DM. and 1 M. (English Grammar); 1 DM. and 1 M. (Elementary Rhetoric).	Latin: 9 (1 MM.; 3 DM.; 1 M.)	63
Harris, F. E. 2 MM. (Greek Lessons); 1 DM. Cicero's <i>Orations</i> ; 1 M. (Herodotus).	Greek: 5 (3 MM.; 2 M.)	13
Martin, A. D. 1 DM. (English Grammar); 1 DM. (Arithmetic); 1 DMM. (Arithmetic).	Math.: 12 (DMM.; 5 DM.)	58
Price, A. B. 1 DM. (Horace); 1 M. and 1 MM. (Cæsar); 1 DM. (Cicero's <i>Orations</i> .)	History: 3 (M.; DM.)	32
Stetson, H. L. 1 MM. (New Testament Greek); 1 DM. (Psychology); 1 DM. Mediæval History); 1 DM. (Political Economy); 1 M. (History of Greece).	English: 14 (6 DM.; 2 M.)	88
Stephenson, J. P. 1 M. (Biblical Literature); 1 DM. (Logic); 1 DM. (English Composition and Rhetoric); 1 M. (Xenophon's <i>Memorabilia</i>).	8 weekly Rhetorical Classes.	144
Stephenson, F. T. 1 DM. (Representative Plays of Shakespeare); 1 DM. (Old English).	German: 6 (3 DM.)	43
Schoemaker, D. M. 1 DM., 3 DM. (German).	Chemistry: 6 (1 DM.; 3 MM.; 1 M.)	11
	Physics: 3 (M.; DM.)	4
	Biblical Literature: 2 (1 DM.)	4

States and countries from which students have come,
Iowa; Illinois; Missouri; Nebraska; North Dakota; Colorado; District of Columbia; Sweden.

Number of Students:

Enrolled during Autumn Quarter, 162.

Entering at beginning of Winter Quarter, 11.

Distribution of Students leaving :

Temporarily, 9.

Permanently, 5.

MORGAN PARK ACADEMY.

(MORGAN PARK)

GEORGE NOBLE CARMAN, *Dean.*

List of Instructors, with Number and Character of Courses :

Burgess, I. B. 1 DM. (Cicero); 1 M. (Eng. Grammar); ½ DMM. (Beg. Latin).
Cornish, R. H. 1 DM. (Physics); 1 DM. (Chemistry); 1 DM. (Physiography).
Bronson, F. M. 1 DM. (Xenophon); 1 MM. (Beg. Greek).
Caldwell, E. L. 1 DMM. (Arithmetic); 1 M. (Rev. Algebra).

Robertson, L. 1 DM. (Adv. German); 1 DM. (Intermediate German); 1 DM. (Beginning German).
Chase, W. J. 1 DM. (Mediæval History); 1 DM. (Greek History); 1 DM. (English Grammar).
Wightman, A. R. 1 DM. (Cæsar); ½ DMM. (Beg. Latin); 1 DM. (Virgil).
Hicks, M. 1 DM. (English Composition).
Carman, G. N. 2 DM. (English); 1 M. (English Grammar).

Departments :

NO. OF COURSES.	STUDENTS.
History : 4 (2 DM.)	27
Greek : 6 (1 DM.; 1 DMM.)	34
Latin : 10 (3 DM.; 1 DMM.)	107
German : 8 (2 DM.; 1 DMM.)	57
English : 10 (2 M.; 4 DM.)	130
Mathematics : 6 (3 DM.)	28
Science : 6 (3 DM.)	38

Pennsylvania, 1; South Dakota, 2; Tennessee, 1; Texas, 3; Utah, 1; Virginia, 1; Washington, 2.

*Number of Students : **

Enrolled during Autumn Quarter, 148.
Discontinuing at end of Autumn Quarter, 16.
Entering at beginning of Winter Quarter, 8.
Attendance for Current Quarter, 140.

States and Countries from which Students have come :

Alabama, 1; Arkansas, 1; California, 2; Connecticut, 1; Illinois, 104; Indiana, 5; Iowa, 7; Michigan, 1; Mississippi, 2; Missouri, 4; Montana, 1; Nebraska, 3; New York, 2; Ohio, 6;

Distribution of Students leaving :

Temporarily, 7. Permanently, 3.
Changing School, 5. Entering College, 1.

* Students from Theological Seminary (33) not counted.

THE HARVARD SCHOOL.

(CHICAGO)

JOHN J. SCHOBINGER, *Dean.*

List of Instructors, with Number and Character of Courses :

Ford, W. H. 1 DM. (English); 1 DMM. (Beginners' Greek); 1 DMM. (Beg. Latin); 1 DM. (Virgil); 1 DM. (Algebra).
Grant, J. C. 1 DMM. (Beg. Latin); 1 DMM. (Cæsar); 1 M. (Cæsar).
Heinrichs, Miss C. L. 1 M., 1 M. (1st year German); 1 M. (2d year German).
Leland, S. 1 DM. (English); 1 DM. (Xenophon's Anabasis); 1 DM. (Homer); 1 DM. (Greek History); 1 DM. (Viri Romæ; Nepos); 1 DM. (Cicero).
Liebard, L. 1 DM. (Beg. French); 1 DM. (2d year French); 1 DM. (3d year French).
Lyon, E. P. 2 DM. (Element. Science); 1 DM. (Physics).
Page, Miss Helen F. 2 DM. (Arithmetic); 2 DM. (English); 2 DM. (Geography).
Schobinger, J. J. 2 DM. (Pl. Geom.); 1 DM. (Algebra).
Spalding, Miss M. D. 2 DM. (English); 1 DM. (Solid Geometry); 1 DM. (Plane Geometry); 1 DM. (History of England).

Departments :

NO. OF COURSES.	STUDENTS.
History : 4 (2 DM.)	3
Greek : 8 (1 DMM.; 2 DM.)	25
Latin : 18 (3 DMM.; 3 DM.)	70
French : 6 (3 DM.)	23
German : 6 (3 DM.)	22
English : 10 (5 DM.)	89
Math. : 14 (7 DM.)	89
Science : 6 (3 DM.)	34

States from which Students have come :

Illinois, 84; Iowa, 1; Indiana, 3; Michigan, 1.

Number of Students :

Enrolled Autumn Quarter, 89.

Distribution of Students leaving :

Permanently, 0. Temporarily, 0.
Changing school, 0.

THE CHICAGO ACADEMY.

(CHICAGO)

CHARLES W. MANN, *Dean*.

<i>List of Instructors, with Number and Character of Courses:</i>		<i>Departments:</i>	
		No. OF COURSES.	No. STUDENTS.
Aeshleman, L.	1 DM. (Adv. French); 1 DM. (Beg. French); 1 DM. (Intermediate German); 1 DM. (Adv. German).	History : 2 (2DM.)	11
Daniels, M. L.	1 DM. (Cæsar); 1 DM. (Cæsar, Special Course).	Latin : 4 (4 DM.)	21
Derham, M. G.	1 DM. (Cicero); 1 DM. (Beg. Latin); 1 DM. (Xenophon); 1 DM. (Greek History).	French : 2 (4 DM.)	13
Jaquish, B. M.	1 DM. (Beg. Algebra); 1 DM. (Arithmetic); 1 DM. (Physics).	German : 2 (4 DM.)	4
Mann, C. W.	1 DM. (Algebra and Geometry); 1 DM. (General History); 1 DM. (Intermediate French).	English : 2 (4 DM.)	22
Porter, Elizabeth.	2 DM., 1 M. (English).	Mathematics : 3 (4 DM.)	16
		Physics : 1 (4 DM.)	6
		<i>Home Address of Students:</i> Chicago, 56; Illinois; outside of Chicago, 1.	
		<i>Number of Students:</i>	
		Enrolled during Autumn Quarter, 57.	
		Entering at beginning of Winter Quarter, 3.	
		Attendance for Current Quarter, 60.	

KENWOOD INSTITUTE.

(CHICAGO)

JOHN C. GRANT, *Dean*.

<i>List of Instructors, with Number and Character of Courses:</i>		<i>Departments:</i>	
		No. OF COURSES.	STUDENTS.
Butts, Miss A. E.	1 DM. (History of Art).	History : 10 (5 DM.)	23
Faulkner, Miss E.	1 DM. (Beg. Greek); 1 DM. (Anabasis); 1 MM., 1 DM. (Beg. Latin); 1 DM. (Cicero); 1 DM. (Vergil).	Greek : 6 (3 DM.)	4
Schmitt, Miss E.	3 DM. (French); 2 DM. (German).	Latin : 8 (4 DM.)	33
Sherwood, Miss T.	History : 1 DM. (Greece); 1 DM. (Engl.); 1 M. and 1 DM. (Unit. States). 2 DM. (Literature); 1 DM. (Rhetoric).	French : 6 (3 DM.)	26
Stone, Miss C. L.	2 DM. (Arithm.); 1 DM. (Elem. Physics); 1 DM. (Elem. Chemistry); 1 DM. (Physiology).	German : 4 (2 DM.)	16
Wedgewood, Miss M.	3 DM. (Algebra); 1 M. (Geometry); 1 DM. (Cæsar).	English : 6 (3 DM.)	38
		Mathem. : 10 (5 DM.)	41
		Science : 2 (1 DM.)	18
		<i>Number of Students:</i>	
		Enrolled Winter Quarter, 65.	
		Discontinuing at beginning of Spring Quarter, 1.	
		Entering at beginning of Spring Quarter, 3.	
		Attendance for current Quarter, 67.	
		<i>Distribution of Students leaving :</i>	
		Permanently, 1. Temporarily, 0.	
		Changing school, 0. Entering college, 0.	

PART II.—ANNOUNCEMENTS.

The University in General.

THE SPRING CONVOCATION.

THE SPRING CONVOCATION.

Address by the HON. CHAUNCEY M. DEFEW
LL.D., New York City.

April 1, *Monday.*

First Term of the Spring Quarter begins.

8:30 A.M. to 12:30 P.M., and 2:00 to 4:30 P.M.,
Matriculation and Registration of In-
coming Students.

8:00 P.M., Spring University Convocation.
The Auditorium (cor. Wabash av. and
Congress st.)

April 2, *Tuesday.*

8:30 A.M., The lectures and recitations of
the Spring Quarter begin.

April 7, *Sunday.*

3:30 P.M., Vesper Service.
Theatre, Kent Chemical Laboratory.

UNIVERSITY AND DIVINITY LECTURES.

BY PROFESSORIAL LECTURER GEORGE DANA BOARDMAN.

Spring Quarter.

1. Six lectures to the Divinity students Tuesday evening at 5 o'clock during six successive weeks beginning April 2, upon the topics: The Office of the Law; St. Paul's Thanksgiving; Public Worship; Church Officers; The Pillar of the Truth; False Asceticism; The Sacred Gymnasium; The Treatment of Widows; Ministerial Directions; Masters and Servants; The Love of Money; The Solemn Charge; The Sacred Investment; False Genesis, etc., based upon the First Epistle to Timothy.
2. Six lectures of a general character to be given before the entire University every Tuesday evening at five o'clock during six successive weeks, beginning May 15, or Sunday afternoons, beginning April 7. Subjects to be announced later.
3. A course of six lectures in the city for ministers and others, to be arranged during April and May, on such subjects as Problem of Cities; Mission of the Church; Parable of the Body; Problem of Liberty; Conservative Progress; Coronation of Love.

PRIZES.

THE HIRSCH SEMITIC PRIZE.

The *Hirsch Semitic Prize* of \$150.00 is awarded each year for the best paper prepared by a student at the University upon a Semitic subject. The next papers are to be submitted on January 1, 1896. The subjects on which competitors may write are the following:

- 1) The Language of the Assyrian Historical Inscriptions to be treated by Periods.
- 2) The Syntax of the Imperfect in the Semitic Languages.
- 3) The Editing of an Arabic or Syriac Manuscript, or of an Assyrian or Babylonian Text.
- 4) The Hebrew Sabbath.

THE BASTIN PRIZE.

The *Ellen B. Bastin Prize* of not less than \$50.00, offered by the Philosophy and Science department of the Chicago Woman's Club, is to be given to the woman studying at the University of Chicago who presents the best paper embodying the results of her own original research in any of the Natural Sciences. Papers presented in competition are to be handed to the Dean of Women.

WALKER PRIZES IN NATURAL HISTORY.

By the provisions of the will of the late Dr. William Johnson Walker, two prizes are annually offered by the *Boston Society of Natural History* for the best memoirs written in the English language on subjects proposed by a committee, appointed by the Council.

For the next best memoir, a prize not exceeding fifty dollars may be awarded.

Prizes will not be awarded unless the memoirs presented are of adequate merit.

The competition for these prizes is not restricted but open to all.

Each memoir must be accompanied by a sealed envelope enclosing the author's name and superscribed with a motto corresponding to one borne by the manuscript, and must be in the hands of the Secretary on or before April 1, of the year for which the prize is offered.

Subjects for 1895:

- (1) A study of the "Fall line" in New Jersey.
- (2) A study of the Devonian formation of the Ohio basin.
- (3) Relations of the order Plantaginacæ.
- (4) Experimental investigations in morphology or embryology.

Subjects for 1896:

- (1) A study of the area of schistose or foliated rocks in the eastern United States.
- (2) A study of the development of river valleys in some considerable area of folded or faulted Appalachian structure in Pennsylvania, Virginia, or Tennessee.
- (3) An experimental study of the effects of close fertilization in the case of some plant of short cycle.
- (4) Contributions to our knowledge of the general morphology or the general physiology of any animal except man.

NOTE.—In all cases the memoirs are to be based on a considerable body of original work, as well as on a general view of the literature of the subject.

SAMUEL HENSHAW, *Secretary.*

Boston Society of Natural History,
BOSTON, MASS., U. S. A.

THESES AND EXAMINATIONS.

DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.

Students who are candidates for the higher degrees at the July Convocation, 1895, will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit their thesis, the subject of which has already been approved, in written form to the Head or Acting Head of the Department, on or before Saturday, March 23.

2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before Saturday, June 1.
3. Students who are candidates for the degree of Bachelor of Divinity or Bachelor of Theology must submit their thesis on or before Saturday, March 23.
4. In all cases the applicants will present in writing to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

HOLIDAYS AND OTHER SPECIAL DAYS.

The First Term of the Winter Quarter, 1895, closes on Monday, February 11.

The Winter Quarter closes on Sunday, March 24, with a recess from March 25 to 31.

The Spring Quarter begins on Monday, April 1, 1895.

The First Term of the Spring Quarter ends on Saturday, May 11.

Thursday, May 30, Memorial Day ; a holiday.

Thursday, July 4, Independence Day ; a holiday.

REGISTRATION AND SPECIAL EXAMINATIONS.

Friday, March 1, is the last day for students in residence to hand in their registration cards for the Winter Quarter.

Students entering the University for the first time or resuming work after an absence of a term or a longer period must register on or before Monday, April 1, 1895.

Registration after these dates can be secured only (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

Examinations at other than the regular dates may be given only at the University, and only by special permission of the Examiner and upon the payment of a fee of not less than \$10.00 nor more than \$15.00.

QUARTERLY EXAMINATIONS.

The Quarterly examinations for the current Winter Quarter will be held March 20-22. One half day will be devoted to each exercise, in the order of the daily programme, as seen in the following scheme :

EXERCISE.	EXAMINATION.
8:30 A.M.	Wednesday, March 20, A.M.
9:30 A.M.	Wednesday, March 20, P.M.
10:30 A.M.	Thursday, March 21, A.M.
11:30 A.M.	Thursday, March 21, P.M.

EXERCISE.	EXAMINATION.
2:00 P.M.	Friday, March 22, A.M.
3:00 P.M.	Friday, March 22, P.M.

Exercises occurring at or after 4:00 P.M. will have their examinations on Saturday, March 23.

The hours of the morning examinations will be from 9 to 12, of the afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

CIRCULARS OF INFORMATION.

The Circulars of Information which are reprints of certain portions of the UNIVERSITY REGISTER will be sent upon application.

The Circular of Information concerning THE FACULTIES OF ARTS, LITERATURE, AND SCIENCE contains in Part I. a statement of the dates upon which various University events occur, a list of departments of instruction, the terms of admission to the *Graduate School*, conditions of candidacy for the degrees of master of arts, master of science, master of philosophy and doctor of philosophy; statements concerning University fellowships, special fellowships, graduate scholarships, and docentships, the method of application

for the same, statements concerning theses and examinations, departmental journals and other departmental publications, regulations governing the selection of courses, non-resident work, rooms and fees. Part II. of the circular describes the organization of the *Colleges*, contains the regulations governing the admission of students to advanced standing, the admission of unclassified students, the selection of courses, average annual expenses, the students' fund society, the employment bureau, scholarships, the conditions of candidacy for the degrees of bachelor of arts, bachelor of philosophy, and bachelor of science, the requirements for admission to the Academic Colleges, the regulations

governing the examinations for admission, and the courses of study in the Academic Colleges. Part III. contains a list of the courses offered for the current year in the Graduate School and the University College of Arts and Literature, the Ogden (Graduate) School of Science, and University College of Science, and the Academic Colleges, together with the order of examinations for admission.

The Circular of Information for THE DIVINITY SCHOOL contains an historical statement, a list of the officers of government and instruction, a list of courses for the current year in the Graduate Divinity School, the English Theological Seminary, the Danish-Norwegian Theological Seminary, and the Swedish Theological Seminary; articles upon the purpose and constituency of the Divinity School, the terms of admission, the departments of instruction, regulations governing the selection of courses, conditions of candidacy for degrees or certificates, theses and examinations, the library, fellowships, opportunities for religious work, special regulations, expenses and opportunities for self-help, together with a list of the students in the various departments.

The Circular of Information for THE UNIVERSITY EXTENSION DIVISION is issued in three separate parts. Part I. relates to the work of the *Lecture-study Department*. It contains (1) information relating to the general plan of University Extension lecture-studies and to the credit extended for the work done, directions in reference to organization, information as to expenses of the courses of lectures, and other information helpful to local Committees in

organizing and promoting the work of University Extension in their towns; (2) a list of the lecturers, with a full statement of the subjects of their courses, and also of the separate lectures included in each course.

Part II. relates to the work of the *Correspondence-teaching Department*. It contains (1) general information relating to the purpose and method of instruction offered by Correspondence, the relation of Correspondence students to the University, the credit which they receive for the work, and other information for the guidance of those who desire to receive University instruction by Correspondence; (2) courses of instruction offered in this Department.

Part III. relates to the work of the *Class-work Department*. It contains (1) general information as to the aim, method, and organization of the work, the relation of Class-work students to the University, the regulation for examinations, the credit for the work done, and the regulations governing the selection of courses; (2) a full statement of the classes organized and the work offered in the Class-work Department of the University Extension Division.

THE UNIVERSITY ACADEMY at Morgan Park also issues a CALENDAR, which will be sent upon application, giving a list of the officers of government and instruction, and containing information in regard to the requirements for admission, the courses of study, average expenses, scholarships, self-help, the dormitories, special regulations, together with a description of the buildings and grounds and a list of the students in attendance during the current year.

The University (Proper).

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

JULY 1, 1894, TO JULY 1, 1895.

NOTE.—The following is a list of the titles of courses to be given in the University from July 1, 1894, to July 1, 1895. For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES. * Courses marked by a star are intended exclusively or primarily for Graduate Students.

SPECIAL NOTICE FOR SPRING QUARTER.—The number of each course is printed in bold-face type following immediately upon the title of the course. The hour and place of the exercises are indicated after the course.

ABBREVIATIONS.—A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K=Kent Chemical Laboratory, R=Ryerson Physical Laboratory, W=Walker Museum.

The abbreviations used in the description of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Spring Quarter on or before March 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signature of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done; (3) deposit the same in the office of the Dean, and (4) receive from the Dean a class ticket.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before April 1.

Registration after these dates may be secured only, (1) by special permission granted by the Dean and (2) after the payment of a special fee of five dollars.

THE GRADUATE SCHOOL AND THE UNIVERSITY COLLEGES OF ARTS AND LITERATURE.

I. PHILOSOPHY.

R, and C 13-17.

Summer Quarter.

HEAD PROFESSOR DEWEY. (C 14)

Psychological Ethics. DM. (16) 9:30

Seminar Methods of Psychological Observation.
DM. (17) 11:30

ASSOCIATE PROFESSOR TUFTS. (C 17)

Psychology. James, and Dewey, *Psychologies*, with lectures and demonstrations. DM. (2a) 10:30

History of Modern Philosophy. Windelband, *History of Philosophy*, with especial study of Locke, Hume, and Kant. DM. (4b) 8:30

Autumn Quarter.

HEAD PROFESSOR DEWEY. (C 14)

Seminar. Introduction to contemporary metaphysical thought. DM. (12) 2:00

The Logic of Ethics. DM. (13) 9:30

ASSOCIATE PROFESSOR TUFTS. (C17)

General History of Philosophy. DM. (4) 10:30

Seminar in English Philosophy. DM. (6) 2:00

Philosophical German (7), with Course 6.

ASSISTANT PROFESSOR ANGELL AND MR. McLENNON.
(R 33)

Experimental Psychology. Training course. DM. (19) 8:30

Experimental Psychology. Research course. DM.
(20)

ASSISTANT PROFESSOR MEAD. (C 11 and 17)

Comparative Psychology. DM. (21) 11:30

Logic. DM. (5) 8:30 and 9:30

Winter Quarter.

ASSOCIATE PROFESSOR TUFTS. (C 17)

General History of Philosophy. DM. (4) 10:30

Seminar in English Philosophy. DM. (6) 2:00

Philosophical German (7), with Course 6.

ASSISTANT PROFESSOR ANGELL AND MR. McLENNON.
(R 33)

Experimental Psychology. Training course. DM.
(19) 8:30

Experimental Psychology. Research course. DM.
(20)

Psychology. DM. (2) 9:30

ASSISTANT PROFESSOR MEAD. (C 14)

Comparative Psychology. DM. (21) 11:30

Methodology of Psychology. DM. (22) 9:30

Spring Quarter.

ASSOCIATE PROFESSOR STRONG.

Morbid Psychology. 24. DM. 9:30; C 17

Psychology in its relations with Philosophy. 25.
DM. 11:30; C 17

ASSOCIATE PROFESSOR TUFTS.

**Movements of Thought in the Eighteenth and Nine-
teenth Centuries.** 4a. DM.

This course forms the conclusion of the Gen-
eral History of Philosophy, but it may be
taken separately by those who have had
Courses 1-3. 10:30; C 17

Seminar in English Philosophy. 6. DM.

Tuesdays, 4:00-6:00; C 17

Philosophical German. 7. With Course 6.

ASSISTANT PROFESSOR ANGELL AND MR. McLENNON.

Experimental Psychology. (Training course.) 19.
DM. 8:30; R 33

Experimental Psychology. (Research course.) 20.
DM. R 33

ASSISTANT PROFESSOR MEAD.

**Philosophy of the Concepts of Matter and Motion
in the Physical Sciences.** 11. DM.

10:30; C 13

Introduction to Philosophy—Ethics. 3. DM.

9:30; C 13

II. POLITICAL ECONOMY.

C 3-8.

Summer Quarter.

PROFESSOR MILLER.

Principles of Political Economy. DM. (1) 8:30

History of Political Economy. DM. (5) 11:30

Seminar in Finance. DM. (20) 4:00

MR. HILL.

Railway Transportation. DM. (12) 3:00

Tariff History of the United States. DM. (13)
2:00

DR. CALDWELL.

Economic Factors in Civilization. DM. (6) 9:30

Scope and Method of Political Economy. DM. (3)
3:00

DR. HOURWICH.

Statistics. DM. (10) Mondays and Fridays,
10:30-12:30

Autumn Quarter.

HEAD PROFESSOR LAUGHLIN. (C 3)

***Economic Seminar.** DM. (21) 3:00

Money and Practical Economics. DM. (9) 11:30

PROFESSOR A. C. MILLER. (C 3)

History of Political Economy. DM. (5) 9:30

Finance. DM. (15) 3:00

Seminar in Finance. DM. (20) 4:00

PROFESSOR MILLER AND MR. HILL. (C 3)

Principles of Political Economy. 8:30

MR. HILL. (C 5)

Tariff History of the United States. DM. (13) 2:00

DR. VEBLEN.

Socialism. DM. (7) 10:30

DR. HOURWICH.

Statistics. DM. (10) 9:30

Winter Quarter.

HEAD PROFESSOR LAUGHLIN. (C 3)

***Economic Seminar.** DM. (21) 3:00

Money and Practical Economics. DM. (9) 11:30

PROFESSOR A. C. MILLER. (C 3)

Advanced Political Economy. DM. (1a) 8:30

Economic and Social History. DM. (2) 10:30

***Seminar in Finance.** DM. (20). 4:00

MR. CLOSSON. (C 3)
 Scope and Method of Political Economy. DM. (3) 9:30
 Descriptive Political Economy. DM. (1 B) 8:30
 DR. VEBLEN.
 Socialism. DM. (7) 10:30; C 3
 DR. HOURWICH.
 Advanced Statistics. DM. (11) 9:30

Spring Quarter.

HEAD PROFESSOR LAUGHLIN.
 *Economic Seminar. 21. DM. 3:00; C 3
 Unsettled Problems of Economic Theory. 4. DM. 11:30; C 3
 PROFESSOR MILLER.
 Economic and Social History. 2. DM. 8:30; C 3
 Financial History of the United States. 14. DM. 9:30; C 3
 Advanced Political Economy. 1A. DM. ———
 MR. CLOSSON.
 Railway Transportation. 12. DM. 10:30; C 3
 Social Economics. 8A. DM. 4:00; C 3
 Oral Debates. 19. DM. 3:00; C 7
 DR. VEBLEN.
 American Agriculture. 16. DM. 2:00; C 3

III. POLITICAL SCIENCE.

C 1, 9, 10, 12.

Summer Quarter.

HEAD PROFESSOR JUDSON. (C 9)
 *Comparative Politics. DM. (10) 9:30
 Civil Government in the United States. DM. (12) 10:30
 MR. CONGER. (C 9)
 Geography of Europe. DM. (11) 11:30

Autumn Quarter.

HEAD PROFESSOR JUDSON. (C 9)
 *Comparative Politics. National Government. DM. (11) 9:30
 Prerequisite: Course (1).

International Law. The Law of Peace. DM. (21)
 Prerequisite: Course (1). 10:30

DR. FREUND.
 *Institutes of Roman Law. DM. (31) 11:30
 General Jurisprudence. DM. (4) 8:30
 MR. CONGER. (C 9)
 Geography of Europe. Repeated. DM. (71) 8:30
 History of Geography. DM. (72) 9:30

Winter Quarter.

HEAD PROFESSOR JUDSON. (C 9)
 *Comparative Politics. American State Government. DM. (12) 9:30
 Prerequisite: Courses (1) and (11).
 International Law. The Law of War. DM. (22)
 Prerequisite: Courses (1) and (21). 10:30
 DR. FREUND. (C 10)
 *Institutes of Roman Law. DM. (32) 11:30
 Administrative Law. DM. (51) 8:30
 MR. CONGER. (C 9)
 Geography of Europe. Repeated. DM. (71) 11:30
 The Physical, Historical, and Political Geography of South and Central America. Preliminary to Course 61, Spring Quarter. DM. (73) 2:00

Spring Quarter.

HEAD PROFESSOR JUDSON.
 *Comparative Politics. Municipal Government. 13. DM. 9:30; C 10
 DR. FREUND.
 General Jurisprudence. 42. DM. 8:30; C 10
 Administrative Law. 52. DM. 11:30; C 10
 MR. MOSLEY.
 Civil Government in the United States. Preliminary course. 1. DM. 11:30; C 11

IV. HISTORY.

C 5-8.

Summer Quarter.

PROFESSOR TERRY.
 *Seminar: Early European Institutions. DM. (46)
 Mondays and Saturdays, 8:30-10:30

The Great Migrations. DM. (27)

7:30

ASSOCIATE PROFESSOR GOODSPEED.

The Relations of Hebrew and Egyptian History.

M. 1st Term. (13) 4:00

The Relations of Hebrew and Babylonio-Assyrian

History. M. 2d Term. (14) 4:00

DR. SHEPARDSON.

American History, Colonial. M. 1st Term. (45a)
8:30

American History, National. M. 1st Term. (45b)
9:30

Autumn Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century from
1815. DM. (39) Mondays and Thursdays, 3:00

*Seminar: American History. DM. (52)
Mondays, 4:00-6:00

PROFESSOR TERRY.

*Seminar: English History. The Norman Period.
DM. (49) Mondays and Saturdays, 8:30-10:30

The Feudal Period.—The Holy Roman Empire.
DM. (28) 4:00

Introduction to the Study of Modern History.
DM. (3) 5:00

NOTE. Courses 3-6 are required of University College students as a prerequisite for admission to the graduate courses in History. Academic College students who have successfully completed Courses 1 and 2 may be admitted to Courses 3-6. They should be taken in the order indicated in the Register.

ASSOCIATE PROFESSOR GOODSPEED.

The History of Antiquity to the Persian Empire.
DM. (7) 4:00

The History of Israel.—The Beginnings of Hebrew History. DM. (8) 2:00

DR. WIRTH.

The History of Ancient Greece.—Early Greek History. DM. (16) 5:00

Winter Quarter.

HEAD PROFESSOR VON HOLST. (C. 9 and 7)

The History of Europe in the XIX Century from
1815 (continued). DM. (40)

Monday to Thursday, 3:00

*Seminar: American or Modern European History (continued). DM. (53)

Mondays, 4:00-6:00

PROFESSOR TERRY. (C 7)

*Seminar: English History (continued). The Early Angevin Period. DM. (50)

Mondays and Saturdays, 8:30-10:30

The Feudal Period (continued).—Feudal France. DM. (29) 4:00

ASSOCIATE PROFESSOR GOODSPEED. (D 18)

The History of Israel (continued).—The History of the Hebrew Monarchy. DM. (9) 2:00

MR. CATTERALL. (C 8)

The Protestant Reformation and The Religious Wars. DM. (4) 11:30

See note to Course 3, Autumn Quarter.

DR. WIRTH. (C 8)

The History of Ancient Greece (continued).—The Age of Pericles. DM. (17) 5:00

Spring Quarter.

HEAD PROFESSOR VON HOLST.

The History of Europe in the XIX Century from
1815 (continued). 41. DM.

Monday-Thursday, 3:00; C 9

*Seminar: American or Modern European History (continued). 54. DM.

Mondays, 4:00-6:00; C 7

PROFESSOR TERRY.

*Seminar: English History (continued). The Later Angevin Period. 51. DM.

Mondays, 8:30-1030; C 7

The Feudal Period (continued). 30. DM.
Tuesday-Friday, 4:00; C 7

ASSOCIATE PROFESSOR GOODSPEED.

The History of Israel (continued).—The Exilic and Post-Exilic History of Israel. 10. DM.

2:00; D 16

The History of Rome to the Antonines. 20. DM.
4:00; D 16

DR. SHEPARDSON.

History of the United States. 6. DM. 9:30; C 7
See note to Course 3, Autumn Quarter.

Social Life in the American Colonies. 44. DM.
10:30; C 9

MR. CATTERALL.

The French Revolution and the Era of Napoleon. 5. DM. 11:30; C 8

See note to Course 3, Autumn Quarter.

DR. WIRTH.

The History of Ancient Greece (continued).—The Age of Alexander and His Successors. 18. DM. 5:00; C 8

V. ARCHÆOLOGY.

Winter Quarter.

PROFESSOR TARBELL. (B 2)

Introduction to Classical Archæology. DM. (1)
10:30

The History of Greek Vases. (Special course.)

Spring Quarter.

PROFESSOR TARBELL.

Greek Life, Studied from the Monuments. 3. DM.
10:30; B 2

VI. SOCIOLOGY AND ANTHROPOLOGY.

C 2, 10-12, and W.

Summer Quarter.

HEAD PROFESSOR SMALL.

*The Methodology and Bibliography of Social
Science. M. 1st Term. (22) Withdrawn.*The Province of Sociology and its Relation to
the Special Social Sciences. MM. 1st Term.
(24) 8:30-10:30

ASSOCIATE PROFESSOR HENDERSON.

Methods of Promoting Social Welfare by Volun-
tary Organizations. MM. 2d Term. (20)
2:00-4:00

ASSOCIATE PROFESSOR BEMIS.

Child Labor and Immigration Legislation. DM.
(21) 11:30
Trades Union Demands for State Activity. (20)
10:30

DR. THOMAS.

The Historical Sociologies. DM. (30) 10:30

DR. WEST.

General Anthropology. DMM. 4:00

MR. FULCOMER.

Elements of Sociology. DM. (40) 3:00

Autumn Quarter.

HEAD PROFESSOR SMALL.

*Seminar: Problems of Social Dynamics. Con-
tinuous through three Quarters. First Quarter.
DM. (28) 2:00*Problems of Social Statics. Continuous through
three Quarters. First Quarter. DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT.

The Province of Sociology and its relation to the
Special Social Sciences. DM. (24) 8:30

ASSOCIATE PROFESSOR HENDERSON.

*Seminar: Organizations for Promoting Social
Welfare. DM. (14) Tuesdays, 4:00-6:00

The Family. M. 1st Term. (18) 2:00

Social Institutions of Organized Christianity. M.
2d Term. (15) 2:00

Voluntary Associations. M. 2d Term. (19) 3:00

ASSISTANT PROFESSOR TALBOT.

Seminar in Sanitary Science. DM. (10) 3:00

House Sanitation. DM. (11) 10:30

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. DM. (1) 2:00

Physical Anthropology. Laboratory Work. DM.
(2) 3:00

General Anthropology. DM. (4) 11:30

DR. WEST.

Applied Anthropology. DMM. (3) 3:00

Winter Quarter.

HEAD PROFESSOR SMALL. (C 10)

*Seminar: Problems of Social Dynamics. Sec-
ond Quarter. DM. (28) 2:00*Problems of Social Statics. Second Quarter.
DM. (27) 3:00

HEAD PROFESSOR SMALL AND MR. VINCENT. (C 10)

Social Anatomy, Physiology, and Psychology.
DM. (25) 8:30

ASSOCIATE PROFESSOR HENDERSON. (C 11)

*Seminar: Organizations for Promoting Social
Welfare. DM. (14) Tuesdays, 4:00-6:00Social Conditions in American Rural Life. M. 1st
Term. (31) 3:00Economical and Governmental Agencies for Ad-
vancement of General Welfare. M. 1st Term.
(32) 2:00Modern Cities and Coöperation of their Beneficent
Forces. M. 2d Term. (33) 3:00Social Treatment of Dependents and Defectives.
M (or MM). 2d Term. (16) 2:00

ASSISTANT PROFESSOR TALBOT. (C 11)

Seminar in Sanitary Science. DM. (10) 3:00

Sanitary Aspects of Water, Food, and Clothing.
DM. (12) 10:30

ASSISTANT PROFESSOR STARR. (W., 3d floor)

Laboratory Work in Anthropology. DM. (1) 2:00

Physical Anthropology. Laboratory Work. DM.
(2) 3:00

Ethnology. DMM and DM. (5) 11:30

DR. M. WEST. (C 10)

The Settlement Movement and Similar Methods
of Amelioration. M (or MM). 1st Term. (39)
3:00

The Origin and Evolution of Society. A presenta-
tion of Professor Giddings' system of sociology.
M. 2d Term. (40) 3:00

MR. VINCENT. (C 10)

Contemporary Society in the United States. DM.
(37) 3:00

DR. THOMAS. (C 10)

The Historical Sociologies. DM. (30) 9:30

Spring Quarter.

HEAD PROFESSOR SMALL.

*Seminar: Problems of Social Dynamics. Third
Quarter. 28. DM. 2:00; C 10

*Problems of Social Statics. Third Quarter. 27.
DM. 3:00; C 10

HEAD PROFESSOR SMALL AND MR. VINCENT.

Social Anatomy, Physiology, and Psychology
(continued). 25. DM. 8:30; C 8

ASSISTANT PROFESSOR TALBOT.

General Hygiene. 39. DM. 10:30; C 11
Open under certain conditions to the
Academic Colleges.

Seminar in Sanitary Science. 10. DM.
3:00; C 11

The Economy of Living. 13. DM.
9:30; C 11

ASSISTANT PROFESSOR STARR.

Laboratory Work in Anthropology. 1. DM.
2:00; W 3d floor

Physical Anthropology. Laboratory Work. 2.
DM. 2:00; W 3d floor

Prehistoric Archaeology. 6. DM.
11:30; W 3d floor

ASSOCIATE PROFESSOR BEMIS.

Labor Legislation, and some other Phases of
State Activity on behalf of Wage Workers.
21. DM. 10:30; C 10

Trades Unionism and Cooperation. 20. DM.
11:30; C 10

DR. G. M. WEST.

Applied Anthropology. 3. DM. 3:00; W 3d floor.

MR. VINCENT.

Urban Life in the United States. 38. DM.
Withdrawn. 3:00

Introduction to the Study of Society.
36. DM. 2:00; C 8

DR. MAX WEST.

Social Aspects of Taxation. 48. DM.
3:00; C 8

Course 27 forms Part II, and Course 28 Part III
of the system of Social Philosophy introduced
by Courses 24 and 25. Students who wish to
make Sociology their principal subject, may
combine Courses 24, 25, and 27 as three Double
Majors.

Courses 24 and 25 will be required of all candi-
dates for the degree of Doctor of Philosophy
who present Sociology either as primary or
secondary subject.

VII. COMPARATIVE RELIGION.

D 16.

Summer Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

The Historical Development of Religious Ideas.
DM. 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Early Historical Religions. DM. (1) 3:00

Winter Quarter.

ASSOCIATE PROFESSOR GOODSPEED. (D 16)

The Hebrew Religion. DM. (2) 3:00

MR. COFFIN. (D 16)

The Elements of Hindi (for beginners). DM. (2a)
10:30

Spring Quarter.

ASSOCIATE PROFESSOR GOODSPEED.

Islam. 3. DM. 3:00; D 16

PROFESSOR BARROWS.

The Relations of Christianity to the Other Reli-
gions; Lectures. 4.
Sundays in May and June at 3:30. No credit
given for this course.

DR. BUCKLEY.

The Religions of China and Japan (except Bud-
dhism). 5. DM. 4:00; W 3d floor.

VIII. SEMITIC LANGUAGES AND LITERATURES.

D 12-16.

Summer Quarter.

HEAD PROFESSOR HARPER.

Book of Hosea. DM. (24) 7:30

The Arabic Language. The Earlier Suras. M.		
1st Term. (86)	10:30	
Advanced Hebrew Grammar. M. 2d Term. (94)		
	9:30	
PROFESSOR BURNHAM.		
Advanced Hebrew Grammar—Syntax. M. 1st		
Term. (95)	9:30	
The Psalter. M. 1st Term. (22a)		10:30
HEAD PROFESSOR HARPER AND DR. CRANDALL.		
Hebrew Language. MM. 2d Term. (3)		8:30
ASSOCIATE PROFESSOR PRICE.		
Hebrew Language. MM. 1st Term. (2)		
	8:30 and 11:30	
Deuteronomy, and Hebrew Syntax. M. 1st Term.		
(9)	9:30	
ASSOCIATE PROFESSOR GOODSPEED.		
Relations of Hebrew, Assyrian, and Egyptian		
History. DM. (36)	4:00	
ASSOCIATE PROFESSOR HARPER.		
Early Assyrian Historical Inscriptions. M. 1st		
Term. (73)	9:30	
Assyrian Language. M. 1st Term. (71)		10:30
Assyrian Language. MM. 2d Term.		2:00-4:00
The Book of Proverbs. M. 2d Term. (27)		9:30
Micah. M. 1st Term. (21)		10:30
DR. CRANDALL.		
Historical Hebrew. M. 2d Term. (5)		9:30
<i>Autumn Quarter.</i>		
HEAD PROFESSOR HARPER. (D 15)		
Books of Joel, Amos, Obadiah, and Jonah. DM.		
(42)	7:30	
Earlier Suras of the Kuran. DM. (87)		8:30
Semitic Seminar. DM. (102) Wednesdays, 2:00-4:00		
ASSOCIATE PROFESSOR PRICE. (D 15)		
Special Introduction to Prophetic Books. DM.		
(38)	Tuesdays and Thursdays, 2:00-4:00	
The Book of Kings—Sight Reading.		
	Mondays and Wednesdays.	
ASSOCIATE PROFESSOR GOODSPEED. (D 16)		
Beginnings of Hebrew History. DM. (30)		2:00
History of Antiquity to the Persian Empire. DM.		
(34)	4:00	
Earliest Historical Religions. DM. (49)		3:00
ASSOCIATE PROFESSOR HARPER. (D 13)		
Beginners' Syriac. DM. (68)		2:00
Assyrian Language. DM. (72)		3:00
Later Historical Inscriptions. DM. (74)		4:00
DR. CRANDALL. (D 16)		
Books of Chronicles. M. 2d Term.		11:30
DR. KENT. (D 15)		
Outline of Hebrew History. DM. (29)		11:30
<i>Winter Quarter.</i>		
HEAD PROFESSOR HARPER. (D 15)		
Early Old Testament Traditions. DM. (47)		7:30
Arabic History, Geography, and Commentary. DM.		
(91)	8:30	
Semitic Seminar. DM. (102)		
	Wednesdays, 2:00-4:00	
PROFESSOR HIRSCH. (D 13)		
Talmud. M. 1st Term. (57)		2:00
Selected Readings from Arabic Authors, using		
Dieterici's <i>Abhandlungen der Ichwān es Safā</i>	(Leipzig, 1884-86).	3:00
ASSOCIATE PROFESSOR PRICE. (D 15)		
Special Introduction to Hebrew Poetry and Poetical		
Books. M. 1st Term. (41)	2:00	
Messianic Prophecy. DM. (40)		3:00
Biblical Aramaic. M. 2d Term. (66)		2:00
Hebrew Lexicography. (Seminar.) DM. (96)		
	Time to be arranged.	
ASSOCIATE PROFESSOR GOODSPEED. (D 16)		
History of the Hebrew Monarchy. DM. (32)		2:00
History of the Hebrew Religion. DM. (50)		3:00
ASSOCIATE PROFESSOR HARPER. (D 13)		
Advanced Syriac. DM. (69)		9:30
Selected Assyrian Historical Inscriptions. DM.		
(75)	10:30	
DR. CRANDALL. (D 16)		
Deuteronomy—Sight Reading. 1st Term. $\frac{1}{2}$ M.		
(8)	8:30	
Jeremiah—Sight Reading. 2d Term. $\frac{1}{2}$ M. (14)		
	8:30	
<i>Spring Quarter.</i>		
HEAD PROFESSOR HARPER.		
Old Testament Institutions and Laws. 48. DM.		
	7:30; D 15	
Semitic Seminar. 102. DM.		
	Saturday, 7:30-9:30; D 15	
HEAD PROFESSOR HARPER AND DR. CRANDALL.		
Beginning Hebrew. 1. MM. 1st Term.		
	8:30 and 2:00; D 15	

Books of Samuel. 4. MM. 2d Term.
8:30 and 2:00; D 15

PROFESSOR HIRSCH.

Targum. 67. M. 1st Term. 9:30; D 13
Talmud (Jerusalemic). 59. DM. 10:30; D 13
Arabic: Thousand and One Nights. 90. DM.
11:30; D 13

ASSOCIATE PROFESSOR PRICE.

The Psalter. 25. DM. 3:00; D 15
History, Principles, and Methods of Old Testament Interpretation. (Seminar.) 46. DM.
4:00; D 15
Jeremiah (in English). 37b. M. 2d Term.
2:00; D 11

ASSOCIATE PROFESSOR GOODSPEED.

Exilic and Post-Exilic History of Israel. 33. DM.
2:00; D 16
Islam. 92. DM. 3:00; D 16

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Life. 54. M. 1st Term. 2:00; D 13
Mesopotamian Geography. 53. M. 2d Term.
2:00; D 13
Assyrian Letters. 78. DM. 3:00; D 13
Selected Assyrian Historical Inscriptions.
75b. DM. 4:00; D 13

DR. KENT.

Books of Kings. 6. M. 1st Term.
10:30; D 16
Isaiah i-xxxix. 11. M. 2d Term.
10:30; D 16

MR. BREASTED.

Elementary Egyptian. 106. DM. 11:30; D 15
History of Egypt. 118. DM. 10:30; D 15

IX. BIBLICAL AND PATRISTIC GREEK.

D 12.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. 2d Term. (31)
9:30

DR. ARNOLT.

New Testament Syntax : Noun, Pronoun, and Prepositions. M. 2d Term. (3) 7:30

Paul's Epistles to the Thessalonians. M. 2d Term.
(30) 8:30

New Testament Quotations from the Old Testament. Part II. The Epistles. M. 1st Term.
(41) 7:30

Prerequisite: Courses 1 (or 2), 25 (or 27) and a knowledge of Hebrew.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Life of Paul and Introduction to Pauline Epistles.
DM. (20) 9:30

Prerequisite: Course 1 or 2.

ASSOCIATE PROFESSOR MATHEWS.

History of New Testament Times in Palestine.
DM. (10) 9:30-11:30

DR. ARNOLT.

Josephus. M. 1st Term. (49) 8:30

Winter Quarter.

HEAD PROFESSOR BURTON. (D 15)

New Testament Greek. DM. (1) 11:30

Epistle to the Romans. DM. (33) 10:30

Prerequisite: Courses 1 (or 2); 25 (or 27); and 20.

Epistle to the Galatians. 31. M. 2d Term.

ASSOCIATE PROFESSOR MATHEWS. (D 15)

Gospel of Luke: a study in Historical Criticism and Interpretation. A Seminar. DM. (27) 2:00

Historical Study of the Life of Christ. DM. (12)

DR. ARNOLT. (D 16)

Septuagint. Rapid Reading of selected portions.
DM. (44) 8:30

Textual Criticism of the New Testament. DM. (8)
9:30

Spring Quarter.

HEAD PROFESSOR BURTON.

Introduction to the Synoptic Gospels. 18. DM.
3:00; D 11

ASSOCIATE PROFESSOR MATHEWS.

The Formation of the New Testament Canon and its History in the Ante-Nicene Period. 57.
DM. 10:30; D 2

DR. ARNOLT.

Christian Literature to Eusebius. 55. DM.
8:30; D 16

Introduction to the Epistle to the Hebrews, the General Epistles, and the Revelation. 21. DM.
9:30; D 16

MR. VOTAW.

Rapid Translation and Interpretation of Paul's Epistles. 4. DM. 11:30; D 16

X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B 2-8.

Summer Quarter.

ASSOCIATE PROFESSOR BUCK.

Sanskrit, for Beginners. DM. 10:30

General Introduction to the Study of Indo-European Philology. M. First Term. (1) 11:30
Comparative Grammar of Greek and Latin. M. Second Term. (2) 11:30

Autumn Quarter.

ASSOCIATE PROFESSOR BUCK.

General Introduction to the Study of Indo-European Philology. M. First Term. (1) 10:30
Comparative Grammar of Greek and Latin. M. Second Term. (2) 10:30
Sanskrit, for Beginners. DM. (4) 11:30

Winter Quarter.

ASSOCIATE PROFESSOR BUCK. (B 4)

Comparative Grammar of Greek and Latin (continued). M. First Term. (2) 10:30
Exercises in Greek and Latin Comparative Grammar. M. Second Term. (3) 10:30
Sanskrit (continued). DM. (5) 11:30

Spring Quarter.

ASSOCIATE PROFESSOR BUCK.

Sanskrit (continued). 6. M. 1st Term. 10:30; B 3
Lithuanian. 12. M. 2d Term. 10:30; B 3
Avestan (Zend). 10. DM. 11:30; B 3

XI. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Summer Quarter.

PROFESSOR SHOREY.

Æschylus (Oresteia). M. 1st term. (12) 10:30
Teachers' Course. M. 1st Term. (23) 11:30
A Greek Reading Club meets once a week from October to June, intended primarily for undergraduates who wish to keep up their knowledge of Greek in the interval between their regular collegiate courses.

Autumn Quarter.

PROFESSOR SHOREY.

Æschylus and Sophocles. DM. (23)
 Mondays and Thursdays, 3:00-5:00
The Greek Drama (Seminar). DM. (25)
 Wednesdays, 3:00-5:00
Research Work in Greek Philosophy.

PROFESSOR TARBELL.

Introduction to Greek Epigraphy. DM. (11) 10:30

ASSISTANT PROFESSOR CASTLE.

Demosthenes, Oration on the Crown; Æschines, Selections from the Oration Against Ctesiphon. DM. (15) 10:30

Winter Quarter.

PROFESSOR SHOREY. (B 2)

The Greek Drama (Seminar). (Continued.) DM. (25)
 Wednesdays, 3:00-5:00

Research Work in Greek Philosophy.

PROFESSOR TARBELL. (B 2)

Plato, Protagoras and Euthyphro. DM. (7) 9:30
Introduction to Classical Archæology. DM. (12) 10:30

ASSISTANT PROFESSOR CASTLE. (B 7)

Euripides: Rapid Reading Course for Graduates. 9:30

Spring Quarter.

PROFESSOR SHORNY.

Pindar, Olympian and Pythian Odes. 21. DM. 3:00; B 2
The Greek Drama (Seminar). (Continued.) 25. DM. Wednesday, 3:00-5:00; B 2

PROFESSOR TARBELL.

Thucydides (Sicilian Expedition). 10. DM. 11:30; B 2
Greek Life, Studied from the Monuments. 14. DM. 10:30; B 2

XII. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Summer Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. M. 1st Term. (40) 11:30
Problems in Latin Syntax. M. (40b) 1st Term. Tuesdays, 3:00-5:00

PROFESSOR CHANDLER.

The Epistles of Horace. DM. (17) 9:30
The Georgics of Virgil. M. 1st Term. (15) 8:30
Tibullus and Propertius. M. 2d Term. (18) 8:30

PROFESSOR POST.

Selections from Martial. M. 1st Term. 10:30
Introduction to Latin Epigraphy. M. 1st Term. 3:00

Autumn Quarter.

HEAD PROFESSOR HALE.

Teachers' Training Course. DM. (33) 11:30
***Seminar 3: Comparative Syntax of the Greek and Latin Verb.** DM. (36) Tuesdays, 3:00-5:00

PROFESSOR CHANDLER.

- Seneca. DM. (16) 8:30
 *Tacitus. (Seminar.) (35) Wednesdays, 3:00-5:00

Winter Quarter.

HEAD PROFESSOR HALE. (B 8 and 2)

- Plautus. DM. (9) 11:30
 *Seminar 3: Comparative Syntax of the Greek
 and Latin Verb. DM. (Continued.) (36)
 Tuesdays, 3:00-5:00

PROFESSOR CHANDLER. (B 5 and 7)

- Horace (Book II of Epistles) and Quintilian. DM. (13)
 8:30

Spring Quarter.

HEAD PROFESSOR HALE.

- Catullus and Horace (Book I of Epistles). 12 DM.
 11:30; B 8
 *Seminar 3: Comparative Syntax of the Greek
 and Latin Verb (continued). 36. DM.
 Tuesday, 3:00-5:00; B 2

PROFESSOR CHANDLER.

- Tacitus and Suetonius. 18. DM. 8:30; B 5

ASSISTANT PROFESSOR MILLER.

- Historical Development of Roman Satire. 24. DM.
 9:30; B 6

XIII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Summer Quarter.

HEAD PROFESSOR KNAPP.

- *Old French. DM. 9:30
 *Spanish. Modern Drama. DM. 10:30

ASSISTANT PROFESSOR BERGERON.

- French. Rapid Reading and Conversation. M.
 First Term. 10:30
 French. Elements of the Literature. M. Second
 Term. 10:30
 *French. Literature of the 19th Century. DM. (14)
 8:30
 French. Advanced Syntax. DM. 9:30

MR. HOWLAND.

- Spanish. Knapp's Grammar and Modern Readings
 DM. 9:30
 Italian. Grandgent's Grammar. DM. 10:30
 *Italian. Manzoni, I Promessi Sposi. DM. 11:30

Autumn Quarter.

ASSISTANT PROFESSOR BERGERON.

- French. Advanced Syntax and Composition. DM
 (4) 9:30
 French. Rapid Reading and Conversation. DM.
 (7) 10:30
 *French Literature of the 19th Century. DM. (10)
 8:30

MR. HOWLAND.

- *Old Spanish. Poema del Cid. DM. (20) 9:30
 *Italian. Classic Prose. Machiavelli. DM. (31) 3:00
 Italian. Grammar. Modern Readings. DM. (28)
 11:30

DR. DE POYEN-BELLISLE.

- *Historical French Grammar. DM. (13) 9:30
 *Old French Texts. DM. (16) 10:30
 *Old Provençal Texts. DM. (19) 11:30
 *Old French Seminar.

Fortnightly, on Tuesdays, 4:00

MISS WALLACE.

- Elementary Spanish. DM. (23) 10:30
 Spanish. General survey of Spanish Literature.
 Lectures and Texts. DM. (26) 9:30

Winter Quarter.

ASSISTANT PROFESSOR BERGERON. (B 16)

- *French. History of the Literature from the origin
 to the 19th Century. DM. (8)
 Monday and Saturday, 8:30-10:30
 Prerequisite: Course 16.

*Old French Literature Seminar.

Fortnightly, on Tuesdays, 4:00

- *French. Literature of the 19th Century. DM. (11)
 8:30

Modern French Literature Seminar.

Fortnightly, on Mondays, 4:00

- Elements of French Literature. DM. (14 a) 9:30
 Prerequisite: Course 7.

- French. Rapid Reading and Conversation. DM.
 (5) 10:30
 Prerequisite: Course 4.

MR. HOWLAND. (B 12 and 13)

- *Spanish. Classic and Modern Dramatists. DM.
 (21) 9:30
 Italian. History of Italian Literature. Lectures
 and Texts. DM. (29) 11:30
 *Italian. Dante, L'Inferno. DM. (32) 8:30

DR. DE POYEN-BELLISLE.

- ***Historical French Grammar.** DM. (14) 8:30; B 15
 ***Old Provençal Texts.** DM. (17) 9:30; B 15
 ***Old French Seminar.**
 Fortnightly, on Tuesdays, 4:00; B 15

Spring Quarter.

ASSISTANT PROFESSOR BERGERON.

- Advanced Syntax.** 40. DM. 10:30; B 16
 Prerequisite: *Entrance French 2.*
Elements of French Literature. 6. DM. 8:30; B 16
 Prerequisite: *Course 5.*
 ***Modern French Seminar.** 12. DM.
 Wednesday, 4:00-6:00; B 16
 Saturday, 8:30-10:30; B 16

DR. DE POYEN-BELLISLE.

- ***Historical French Grammar.** 15. DM. 8:30; B 12
 ***Italian Philology.** 33. DM. 9:30; B 12

XIV. GERMANIC LANGUAGES AND LITERATURES.

B 9-11.

***Germanic Club and Seminar:** Courses 1-19, inclusive, constitute the work of the first section of the Germanic Seminar; the second section, including candidates for the degree of Ph.D., other advanced students, and all instructors of the department, meets fortnightly on Monday from 3 to 5 P.M. for the reading and discussion of reports, reviews, and original papers upon subjects connected with the work of the first section. Mondays, 3:00-5:00

Summer Quarter.

ASSOCIATE PROFESSOR CUTTING.

- ***Gothic.** DM. (9) 3:00
Schiller's Wallenstein. DM. (22) 9:30

DR. VON KLENZE.

- ***Middle High German.** DM. (5) 2:00

Autumn Quarter.

ASSOCIATE PROFESSOR CUTTING.

- ***The Literary Coöperation of Goethe and Schiller.** DM. (1) 2:00

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

- ***Introduction to Phonetics.** M. First Term. (13) 3:00
 ***Middle Low Franconian.** M. Second Term. (14) 3:00
 ***History of the German Language.** DM. (17) 4:00

DR. VON KLENZE.

- ***Gothic.** DM. (5) 8:30
Schiller. DM. (21) 10:30
Goethe's Lyrical Poetry as an Exponent of his Life. DM. (26) 9:30

MR. MULFINGER.

- Heine's Prose and Poetry.** DM. (27) 8:30

Winter Quarter.

ASSOCIATE PROFESSOR CUTTING. (B 9 and 10)

- ***German Prose Composition.** DM. (28) 9:30
 ***The Literary Coöperation of Goethe and Schiller** (continued). DM. (1) 2:00

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG. (B 9)

- ***Old High German.** DM. (6) 2:00
 ***Old Norse.** DM. (16) 3:00
 ***Old Saxon.** DM. (18) 4:00

MR. DAHL.

- Elementary Course in Norwegian (Danish).** DM. (40) 8:30

The principles of the language taught inductively by the use of modern texts. Incidentally helpful to students of English or Germanic philology.

- Outline Course in Scandinavian Literature.** DM. (41) 10:30

Beginning with Old Norse this work includes a survey of the rise and development of the three distinct literatures, Danish, Norwegian, and Swedish. The importance of Old Norse mythology in connection with English and German literature renders this an object of special attention in this course. Lectures upon modern literary activity in Scandinavian countries, the reading and discussion of representative books of each epoch and reports upon assigned reading are elements of the work.

Spring Quarter.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.

- ***Comparative Gothic Grammar.** 15. DM. 4:00; B 9

DR. VON KLENZE.

- ***The Nibelungenlied.** 4. DM. 2:00; B 9
Outline History of German Literature. 23. DM. 9:30; B 10

MR. DAHL.

Studies in Björnson and Ibsen. 21. DM. 9:30; B 14

Lectures on the literary activity of the two authors, supplemented by a critical study of representative works and assigned reading.

Swedish Literature. 21a. DM. 2:00; B 9

Lectures on the modern literary activity in Sweden, including studies in the works of Tegnér, Runeberg, Snoilski, and others.

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

D 8-10.

Summer Quarter.

PROFESSOR L. A. SHERMAN.

Themes in Novel, Poem, and Drama. M. 1st Term. (2) 2:00

ASSOCIATE PROFESSOR MCCLINTOCK.

The Elements of Literature. DM. (19) 9:30

*English Literary Criticism. DM. (34) 10:30

ASSISTANT PROFESSOR BLACKBURN.

Old English; Elementary Course. DM. (14) 3:00

{ Middle English. M. (26) 2:00

{ Studies in English Grammar. M (39) 2:00

MR. HERRICK.

Daily Themes, a course of Advanced English Composition. DM. (7) 8:30

Autumn Quarter.

PROFESSOR WILKINSON. (D 16)

Blank Verse; Critical Study of Masterpieces in Rhymed Verse; with Production, for Criticism in class, of pieces in both kinds of verse. DM. (63) 8:30

Criticism of Criticism. M. 1st Term. (64) 9:30

History and Fiction. M. 2d Term. (8) 9:30

ASSOCIATE PROFESSOR BUTLER. (D 16)

English Essayists of the Nineteenth Century. DM. (59) 11:30

ASSOCIATE PROFESSOR MCCLINTOCK. (D 8)

*English Literature Seminar. The beginnings of the Romantic Movement of the Eighteenth

Century; Studies in English Literature from 1725-1775. DM. (33) 4:00-6:00

The English Romantic Poets from 1780 to 1830. DM. (18) 10:30

ASSISTANT PROFESSOR BLACKBURN. (D 9)

*Old English; Advanced Course. Beowulf and the other secular poetry. DM. (27) 2:00

*English Language Seminar. Layamon's *Brut*, with special studies in Early Middle English. M. (28) Mondays, 2:00-4:00

Old English; Elementary Course. DM. (23) 3:00

ASSISTANT PROFESSOR CROW. (D 2)

The Prose of the Elizabethan Era. DM. (46) 2:00

*English Literature Seminar. The Works of Marlowe and Marlowe's Influence on Shakespeare. DM. (36) 10:30-12:30

ASSISTANT PROFESSOR TOLMAN. (D 9)

The Rise of the English Drama and its History to 1560. DM. (44) 9:30

MR. HERRICK. (D 1)

Advanced English Composition. 2 DM. (5) 11:30
Seminar in Writing. (Appointments) (8 A)

MR. TRIGGS. (D 9)

Nineteenth Century Literary Movements. Studies in Criticism, Poetry, the Novel and Essay with reference to modern Literary tendencies. DM. (38) 11:30

*The Poetry of Browning and Meredith. DM. (52) 8:30

Winter Quarter.

PROFESSOR MOULTON.

Spenser's "Faerie Queene." DM. (67) 10:30

ASSOCIATE PROFESSOR MCCLINTOCK. (D 8)

*Milton. DM. (17) 4:00-6:00

ASSISTANT PROFESSOR BLACKBURN. (D 9)

Old English (continued). Reading of Prose Selections. DM. (24) 3:00

*English Language Seminar. Studies in Early Middle English (continued).

ASSISTANT PROFESSOR CROW. (D 2)

History of the Drama in England from 1560 to 1642. DM. (47) 2:00

***English Literature Seminar.** The Sonneteers before Shakespeare and Shakespeare's Sonnets.
DM. (36) 10:30-12:30

ASSISTANT PROFESSOR TOLMAN. (D 16)

Shakespeare; the Interpretation of Representative Plays. DM. (42 B) 10:30

MR. HERRICK. (D 1)

Advanced English Composition. 2DM. (5) 3:00
Sec. a, continued.
Sec. b, beginning.

***Seminar in Writing.** (Appointments.) (8 A)

MR. LEWIS. (D 7)

***The History of Rhetoric and Rhetorical Methods.**
DM. (54 B) 9:30

MR. LOVETT. (D 8)

Argumentative Composition. DM. (3) 8:30

MISS REYNOLDS. (D 8)

The Poetry of William Wordsworth. DM. (32)
9:30

MR. TRIGGS.

The Art School of English Poets. Studies in the æsthetic theories and artistic production of the nineteenth century. DM. (68) 11:30

***Nineteenth Century Literature.** Browning and Tennyson: Religious Poems. DM. (52) 8:30

MRS. BRAINARD.

Critical Examination of the Text of Hamlet.
DM. (66) 11:30

Spring Quarter.

PROFESSOR MOULTON.

Theory and Practice of Literary Interpretation.
62. DM. 10:30; D 9

ASSISTANT PROFESSOR BLACKBURN.

Old English (continued). Reading of poetical texts.
25. DM. 3:00; D 9

The History of Old English Literature. Lectures and assigned reading. 56. DM. 2:00; D 9

***English Language Seminar.** Studies in Early Middle English (continued). 28. M.
Monday, 2:00-4:00; D 9

ASSISTANT PROFESSOR CROW.

The Sources of Shakespeare's Plays. 40. DM.
2:00; B 16

***English Literature Seminar.** Introduction to the study of the Life and Works of Shakespeare.
36. DM. Thursday, 10:30-12:30; C 14

ASSISTANT PROFESSOR TOLMAN.

Chaucer (a reading course). 45. DM. 9:30; D 8

MR. HERRICK.

***Special Appointments in Writing.** 8A. D 1
Advanced English Composition. 5. DM.
3:00; D 1

MR. TRIGGS.

American Literature; Outline History with detailed Study of Emerson, Longfellow, Poe, Lowell, and Whitman. An additional Seminar in Emerson for graduate students. 22. DM.
11:30; D 8

***English Literature of the Nineteenth Century.** The Novel, the Realistic School. 49. DM.
8:30; D 8

DR. CARPENTER.

English Literary Criticism, the work of Dryden Coleridge, and Arnold. 69. DM. 9:30; D

XVI. BIBLICAL LITERATURE IN ENGLISH.

A. OLD TESTAMENT.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Minor Prophets. DM. (A 17) 4:00

Winter Quarter.

DR. KENT. (D 16)

The Minor Prophets of the Assyrian Period.
M. 1st Term. (18) 2:00
Isaiah I-XXXIX. M. 2d Term. (12) 2:00

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

The Book of Jeremiah (English). 37b. M. 2d Term.
2:00; D 11

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Geography. 53. M. 2d Term.
2:00; D 13
Mesopotamian Life. 54. M. 1st Term.
2:00; D 13

THE QUARTERLY CALENDAR.

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Epistles of the Apostle

Paul. M. 2d Term. (B 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.

The Founding of the Christian Church. DM. 11:30
(B 4)

The Teaching of Jesus. DM. (B 21) 10:30

Winter Quarter.

ASSOCIATE PROFESSOR MATHEWS. (D 15)

The Gospel of Matthew. DM. (B 7) 9:30

XXVIII. ELOCUTION.

K Theatre.

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2)

Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

Reading Aloud. 3 hrs. a week. 4. M.

Monday, Wednesday, and Friday, 4:00

Dramatic Reading. 5. M.

Monday, Wednesday, and Friday, 3:00

**THE OGDEN (GRADUATE) SCHOOL AND THE UNIVERSITY COLLEGE
OF SCIENCE.**

XVII. MATHEMATICS.

R 35-40.

The Mathematical Club and Seminar. The Club meets throughout the year, on alternate Saturdays at 4:30 P.M., in the Ryerson Physical Laboratory, room 35, for the review of memoirs and books, and for the presentation of the results of research. The club is conducted by the members of the Mathematical Faculty and is open to all graduate students of Mathematics.

Summer Quarter.

PROFESSOR MOORE.

Theory of Functions of a Complex Variable. Based on Forsyth's *Theory of Functions*. DM. (22) 8:30

Prerequisite: A thorough knowledge of Differential and Integral Calculus.

Elliptic Functions. Based on Weber's *Elliptische Functionen und algebraische Zahlen*. DM. (26). 7:30

Prerequisite: Theory of Functions and Theory of Substitutions.

Special Seminar on Functions. Memoirs and problems relating to the theory of functions are assigned to the members of the Seminar for reading and investigation. On alternate Mondays. D½M. (27) 7:30

DR. YOUNG.

Theory of Numbers. DM. (19) 9:30

The Elements of the Theory of Invariants with Applications to Higher Plane Curves. DM. (15) 10:30

Prerequisite: Determinants, and a thorough course in the Theory of Equations.

MR. SLAUGHT.

Determinants. M. 1st Term. (8) 9:30

MR. SMITH.

Differential and Integral Calculus. Advanced Course. DM. (7) 7:30

Plane Analytic Geometry. Advanced Course. DM. (6) 8:30

MR. HUTCHINSON.

Differential and Integral Calculus. First Course. M. 1st Term. (6 A) 1:45

Autumn Quarter.

PROFESSOR MOORE.

Projective Geometry. Based on Rey's *Geometrie der Lage*. DM. (14) 10:30

Elliptic Modular Functions. Based on Klein's *Elliptische Modulfunctionen* (vol. i). DM. (28). To be continued in the Spring Quarter. 11:30

Prerequisite: Theory of Functions and Elements of the Theory of Substitutions and of the Theory of the Icosahedron.

PROFESSOR BOLZA.

Introduction to the Theory of Quaternions. DM. (21) 9:30

Prerequisite: Analytic Geometry of Three Dimensions.

Theory of Functions of a Complex Variable. DM. (23) 11:30

Prerequisite: Differential and Integral Calculus.

ASSISTANT PROFESSOR MASCHKE.

Advanced Integral Calculus. To be continued through two quarters. First quarter. DM. (10) 9:30

Prerequisite: Differential Calculus and the elements of Integral Calculus.

Higher Plane Curves. DM. (16) 8:30

Prerequisite: Analytic Geometry and the elements of Theory of Invariants.

DR. BOYD.

Analytics and Calculus. To be continued through three quarters. First quarter: Casey's *Treatise on Conic Sections*. With fortnightly *Colloquium*. DM. (4) Section 4a 11:30
Section 4b 10:30

Winter Quarter.

PROFESSOR BOLZA. (R 38)

Analytic Geometry of Three Dimensions. DM. (12) 11:30

Prerequisite: Analytics and Calculus.

Theory of Substitutions. DM. (25) 9:30

Prerequisite: Theory of Equations.

ASSISTANT PROFESSOR MASCHKE. (R 35)

Weierstrass' Theory of Elliptic Functions. DM. (24)

Prerequisite: Elements of Theory of Functions. 10:30

Advanced Integral Calculus. To be continued through two quarters. Second quarter. DM. (10) 8:30
Prerequisite: Differential Calculus and the elements of Integral Calculus.

DR. YOUNG.

The Theory of Equations. Based on Burnside and Pantan's *Theory of Equations*. To be continued through two quarters. First quarter. DM. (9) 9:30
Prerequisite: Analytic Geometry and the Differential Calculus.

The Theory of Numbers. DM. (20) 8:30

DR. BOYD. (R 36)

Analytics and Calculus. To be continued through three quarters. Second quarter: Todhunter's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM. (4)
Section 4a 11:30
Section 4b 10:30

Spring Quarter.

PROFESSOR MOORE.

Elliptic Modular Functions. 28. DM.
Continuation of course 28 of the Autumn Quarter.

Monday and Thursday, 2:30-4:30; R 36

Groups. This course, conducted by the lecture-seminar method, is a continuation of Courses 20 and 25. 29. DM.

Tuesday and Friday, 2:30-4:30; R 36

ASSISTANT PROFESSOR MASCHKE.

Analytic Mechanics. 13. DM. 9:30; R 36
Prerequisite: *Analytic Geometry and a thorough knowledge of Differential and Integral Calculus*.

Algebraic Surfaces. 17. DM. 8:30; R 36
Prerequisite: *Higher Plane Curves, and Analytic Geometry of Three Dimensions*.

DR. YOUNG.

The Theory of Equations. Based on Burnside and Pantan's *Theory of Equations*. To be continued through two quarters. Second quarter. 9. DM. 10:30; R 38
Prerequisite: *Analytic Geometry and Differential Calculus*.

Culture Calculus. Introduction to the Differential and Integral Calculus. This course is general and summary, and is intended to give to

those who do not wish to study Mathematics further an idea of this important instrument of mathematical thought. 5. DM. 9:30; D 15
Prerequisite: *Required Mathematics*.

DR. BOYD.

Differential Equations. Based on Forsyth's *Differential Equations*. With fortnightly *Colloquium*. 11. DM. 8:30; R 38
Prerequisite: *Advanced Integral Calculus*.

Analytics and Calculus. To be continued through three quarters. Third quarter: Todhunter's *Differential and Integral Calculus*. With fortnightly *Colloquium*. 4. DM. R 36
Section 4a 11:30
Section 4b 10:30

DR. HANCOCK.

Calculus of Variations. Based on the developments of Weierstrass and of Schwarz. 23 A. $\frac{1}{2}$ DM. Monday and Saturday, 11:30; R 38

XVIII. ASTRONOMY.

R 35.

Summer Quarter.

DR. SEE.

***Gauss's Method of Determining Secular Perturbations, with Numerical Application to the Action of Neptune on Uranus.** DM. (25) 9:30

***Theory of the Attraction and Figures of the Heavenly Bodies.** DM. (26)
Prerequisite: Differential and Integral Calculus.

DR. LAVES.

General Astronomy. Introductory course. DM. (27) 11:30
Prerequisite: Algebra, Geometry, Trigonometry, and the elements of Physics.

***Determination of Latitude and Longitude, with practical work in the Observatory.** DM. (28) 7:30

DR. SEE AND DR. LAVES.

***Astronomical Seminar.** Practical courses in particular topics. (29) Alternate Saturdays at 3:00

Autumn Quarter.

ASSOCIATE PROFESSOR HALE.

Astronomical Photography. DM. (1) 7:30 P.M.
Prerequisite: General Astronomy and Physics.

Stellar Spectroscopy. DM. (3) 7:30 P.M.
Prerequisite: Solar Physics.

DR. SEE.

*Research Course in the Theory of Tides. DM. (30)

Elements of the Theory of Gravitation. DM. (31) 11:30

Prerequisite: Conic sections, Differential Calculus, and the Elements of Physics.

DR. LAVES.

*Partial Differential Equations. DM. (32) 11:30

Prerequisite: Differential and Integral Calculus and the Elements of Ordinary Differential Equations.

Spherical and Practical Astronomy. DM. (33) 10:30

Prerequisite: General Astronomy and Differential Calculus.

DR. SEE AND DR. LAVES.

*Astronomical Seminar. (34)
Alternate Saturdays at 3:00

Winter Quarter.

ASSOCIATE PROFESSOR HALE. (Kenwood Observatory)

Solar Physics. DM or DMM. (2) 2:00

Prerequisite: General Astronomy and Advanced Physics.

DR. SEE. (R 35)

*Research Course in the Theory of Tides. (35)

General Astronomy. DM. (36) 11:30

Prerequisite: Algebra, Trigonometry, and the Elements of Physics.

DR. LAVES. (R 35)

*Dynamics of a System. DM. (37) 2:00

Prerequisite: Differential and Integral Calculus, and Analytical Mechanics.

Spherical Astronomy. (Part II.) DM. (38) 3:00

Prerequisite: Differential and Integral Calculus, and General Astronomy.

DR. SEE AND DR. LAVES. (R 35)

*Astronomical Seminar. (39)
Fortnightly Saturdays at 3:00

Spring Quarter.

ASSOCIATE PROFESSOR HALE.

Solar Physics (continued). 2. DM. 2:00

Prerequisite: General Astronomy and Advanced Physics.

Astro-Physical Research. 4.

DR. SEE.

*Research Course in the Theory of Secular Tidal Friction and in Cosmogony. 40. DM. R 35

General Astronomy (continued). 41. DM. 10:30; R 35

DR. LAVES.

*Theory of a Rotating Body. 42. DM. 2:00; R 35

Prerequisite: *Differential and Integral Calculus, and Analytical Mechanics.*

*Special Perturbations. 43. DM. 3:00; R 35

Prerequisite: *Differential and Integral Calculus, and Elements of the Theory of Orbits.*

DR. SEE AND DR. LAVES.

*Astronomical Seminar. 44.
Alternate Saturdays at 3:00; R 35

XIX. PHYSICS.

R.

Summer Quarter.

HEAD PROFESSOR MICHELSON. (R 26)

*1. Research Course. DMM. (1)

*2. Graduate Course. 10 or 18 hrs. a week, 3DM or DMM. 11:30

Prerequisite: Advanced course in General Physics.

Autumn Quarter.

HEAD PROFESSOR MICHELSON. (R 26)

*Research Course. DMM. (1)
Monday-Friday, 2:00-6:00

*Special Graduate Course. DM or DMM. (2)
Lectures: Thursday-Friday, 11:30

Laboratory work, Monday-Friday, 2:00-6:00
Prerequisites: Advanced Course in General Physics.

Spectrum Analysis. M. (7)
Throughout Quarter, 11:30

ASSOCIATE PROFESSOR STRATTON. (R 29)

General Physics. (Advanced). $\frac{1}{2}$ DM. (3)
Lectures: Monday, Tuesday, Wednesday, 10:30
Prerequisites: Differential and Integral Calculus.

Laboratory Methods. DM. (11)
Thursday, Friday, Saturday, 9:30

Mechanical Drawing. Graphic and Curve Tracing. $\frac{1}{2}$ DM. (16)

ASSISTANT PROFESSOR WADSWORTH. (R 13)**General Physics. (Advanced).** $\frac{1}{2}$ DM. (3)

Lectures: Thursday, Friday, Saturday, 10:30

Laboratory Practice. (Advanced). DM. (4)

Monday-Friday, 2:00-5:00

Prerequisite: Theory of Reduction of Observations, Course 15.

Projective Drawing and Line Shading. $\frac{1}{2}$ DM. Thursday and Friday 1:30-4:30*Winter Quarter.***HEAD PROFESSOR MICHELSON. (R 26)*****Research Course. DMM. (1)**

Monday-Friday, 2:00-6:00

***Special Graduate Course. DM. or DMM. (2)**

Lectures: Thursday and Friday 11:30

Laboratory work: Monday-Friday, 2:00-6:00

Prerequisite: Advanced Course in General Physics.

Velocity of Light. M. (8)

Throughout Quarter. 11:30

General Physics (Advanced). $\frac{1}{2}$ DM. (3)

Tuesday and Wednesday, 10:30

ASSOCIATE PROFESSOR STRATTON. (R 29)**General Physics (Advanced).** $\frac{1}{2}$ DM. (3)

Lectures: Tuesday and Thursday, 10:30

ASSISTANT PROFESSOR WADSWORTH. (R 13)**Mechanical Drawing. Curve Tracing and Graphical Solutions.** $\frac{1}{2}$ DM. (16) 5 hrs. a week.**General Physics (Advanced).** $\frac{1}{2}$ DM. (3)**Theory of Heat. DM. (14)**

Monday-Wednesday, 10:30

Laboratory Practice (Advanced). DM. (4)

Monday-Friday, 2:00-5:00

Prerequisite: Differential and Integral Calculus.

*Spring Quarter.***HEAD PROFESSOR MICHELSON.*****Research Course. 1. DMM.**

Monday-Friday, 2:00-6:00; R 27

***Special Graduate Course. 2. DM. or DMM.**

Lectures: Thursday and Friday, 11:30; R 27

Laboratory work: Monday-Friday, 2:00-6:00

Prerequisite: *Advanced Course in General Physics.***Application of Interference Methods. 9. MM.**

or throughout Quarter 11:30; R 27

General Physics (Advanced). 3. $\frac{1}{2}$ DM.

Lectures: Monday and Tuesday, 10:30; R 27

ASSOCIATE PROFESSOR STRATTON.**General Physics (Advanced).** 3. $\frac{1}{2}$ DM.

Lectures: Tuesday, Thursday, 10:30; R 31

Prerequisite: *Differential and Integral Calculus.***Laboratory Practice (Advanced).** 4. DM.

Monday-Saturday, 2:00-5:00; R 19 and 21

Electrical Measurements. 13. DM.

Monday-Saturday, 2:00-5:00; R 19

Prerequisite: *General Physics (Advanced).***ASSISTANT PROFESSOR WADSWORTH.****Research Methods. 12. DM.**

Monday-Thursday, 9:30; R 31

Theory of Reduction of Observations. 15. DM.

Monday-Friday.

Prerequisite: *Differential and Integral Calculus.***Design and Construction of Instruments of Precision. 10. DM. 10 hrs. a week. R 20**Prerequisite: *Course 16 and two Quarters advanced Laboratory Work.*

XX. CHEMISTRY.**K.**

Special fees will be charged to students taking Laboratory Courses in Chemistry as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

In no case, however, will a student, taking several courses in Chemistry, be charged more than \$10.00 a quarter.

*Summer Quarter.***PROFESSOR NEF.****Special Chapters of Organic Chemistry. $\frac{1}{2}$ M. 2d Term. (25) Fridays and Saturdays, 11:30*****Research Work for Ph. D. Thesis. Organic Chemistry. MM. Second Term. (20)****ASSISTANT PROFESSOR SCHNEIDER.****Special Chapters of Inorganic Chemistry. $\frac{1}{2}$ DM. (12) Thursdays and Fridays, 2:00**

Prerequisite: General Chemistry.

Qualitative Analysis. Laboratory Work. DM or DMM. (5)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or DMM. (7)

Prerequisite: Qualitative Analysis.

Advanced Inorganic Work. DM or DMM. (14)
Prerequisite: See Course (13), Autumn Quarter.
***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

DR. STIEGLITZ.

General Inorganic Chemistry. DMM. (2)
Mondays, Tuesdays, Wednesdays, and
Thursdays, 11:30
Mondays, Tuesdays, and Wednesdays, 2:00-5:00
***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)
Special Organic Preparations. DMM. (19b)

DR. CURTISS.

General Organic Chemistry. DMM. (10) 8:30
Prerequisites: General Chemistry and Qualitative Analysis.
Organic Preparations. DM or DMM. (19)
Prerequisites: See Course (18), Autumn Quarter.
Autumn Quarter.

PROFESSOR NEF.

Organic Chemistry. DM. (9)
Thursday, Friday, and Saturday, 11:30
Prerequisite: General Chemistry and Qualitative Analysis.
Organic Preparations: Laboratory Work. DM or DMM. (18)
Prerequisites: Qualitative and Quantitative Analysis, Mineralogy (for candidates for the degree of Ph.D.) and Organic Chemistry, (although it may be taken simultaneously in connection with lectures on Organic Chemistry). Those intending to pursue research work in Inorganic Chemistry will be required to take this course as a Triple Minor, and those intending to pursue research work in Organic Chemistry will be required to take the course as a Triple Major.
***Research Work for Ph.D. Thesis. Organic Chemistry.** Laboratory work. DMM. (20)
Journal Meetings. (21)

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. DM. (1)
First Term. Monday-Friday, 11:30
Second Term. Monday-Wednesday, 11:30
Laboratory. Monday and Tuesday, 2:00-5:00
Prerequisite: Academic College course in Physics, including laboratory work.
A continuous course through three Quarters.

General Chemistry. Chiefly laboratory work. M. (3) Second Term.

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. LENGFELD.

Advanced Inorganic Chemistry. Lectures. $\frac{1}{2}$ DM. (11)
Prerequisite: Course (1), or equivalent.
Advanced Inorganic Preparations. DM or DMM. (13)
Prerequisites: Qualitative and Quantitative Analysis, Mineralogy, and a reading knowledge of French and German. Those intending to pursue research work in Organic Chemistry will be required to take this course as a Triple Minor; those intending to engage in Inorganic Research will be required to take the course as a Triple Major.

***Theoretical Chemistry.** Lectures. $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30
Prerequisites: Physics, General Organic and Inorganic Chemistry.

***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. DM or DMM. (4)
Prerequisite: General Inorganic Chemistry.
Quantitative Analysis. Laboratory Work. DM or DMM. (6)
Prerequisite: Qualitative Analysis.
***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)
The Carbohydrates and Complex Hydrocarbons. $\frac{1}{2}$ DM. (23) Monday and Thursday, 8:30
Prerequisite: Organic Chemistry.

DR. IKUTA.

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)
Winter Quarter.

PROFESSOR NEF. (K 14)

Organic Chemistry (continued). DM. (9) 11:30
Organic Preparations. Laboratory Work. DM or DMM. (18)
Prerequisites: See Course (18), Autumn Quarter.
***Research Work for Ph.D. Thesis. Organic Chemistry.** Laboratory Work. DMM. (20)
Journal Meetings. (21) Fridays, 4:30

ASSISTANT PROFESSOR SMITH. (K 20 and 36)

General Inorganic Chemistry (continued). DM.
(1) Monday, Tuesday, Wednesday, 11:30
Laboratory, Monday, and Tuesday, 2:00-5:00

General Chemistry (continued). Chiefly laboratory work. DM. (3) Same hours as Course (1)

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

DR. STIEGLITZ. (K 24)

Qualitative Analysis. Laboratory Work. DM or DMM. (4)

Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. DM or DMM. (6)

Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. Organic Chemistry.** DMM. (20)

Elementary Spectrum Analysis. Chiefly laboratory work. $\frac{1}{2}$ DM. (8)

Prerequisite: General Chemistry.

Organic Nitrogen Derivatives. $\frac{1}{2}$ DM. (24)
Monday and Thursday, 8:30

Prerequisite: Organic Chemistry.

DR. LENGFELD. (K 20)

Advanced Inorganic Chemistry. $\frac{1}{2}$ DM. (11)
Lectures: Wednesday and Saturday, 8:30

Prerequisite: Course (1), or equivalent.

Advanced Inorganic Preparations. DM or DMM. (13)

Prerequisites: See Autumn Quarter.

Theoretical Chemistry (continued). $\frac{1}{2}$ DM. (15)
Tuesday and Friday, 8:30

Prerequisites: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Inorganic Chemistry.** DMM. (20)

Physico-Chemical Methods. Laboratory work. $\frac{1}{2}$ DM. (22)

Prerequisite: Quantitative Analysis.

DR. CURTISS.

***History of Chemistry.** $\frac{1}{2}$ DM. (17)

Prerequisites: General and Organic Chemistry.

DR. IKUTA.

The Chemistry of Coal Tar Colors. $\frac{1}{4}$ DM. (27)

Spring Quarter.

PROFESSOR NEF.

Organic Chemistry (concluded). 9. M. 1st Term.
Thursday, Friday, Saturday, 11:30; K 20

Organic Preparations. Laboratory Work. 18.
DM or DMM. First Term. K 21

Prerequisite: See Autumn Quarter.

***Research Work for Ph.D. Thesis. Organic Chemistry.** 20. MM. First Term. K 21

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry (concluded). 1. DM.
Monday, Tuesday, Wednesday, 11:30; K 20
Laboratory, Monday and Tuesday, 2:00-5:00

General Chemistry (continued). 3. DM.

***Research Work for Ph.D. Thesis. Organic Chemistry.** 20. DMM.

DR. LENGFELD.

Advanced Inorganic Preparations. 13. DM or DMM. K 21

Prerequisite: See Autumn Quarter.

***Theoretical Chemistry** (continued). 15. $\frac{1}{2}$ DM.
Tuesday and Friday, 8:30; K 20
Prerequisite: See Autumn Quarter.

Gas Analysis. 28. DM. K 18
Prerequisite: Quantitative Analysis.

Qualitative Analysis. Laboratory Work. 4. M or MM. 2d Term. K 24
Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. 6. M or MM. 2d Term. K 24
Prerequisite: Qualitative Analysis.

Research Work for Ph.D. Thesis. Inorganic Chemistry. 20. DMM. K 30

DR. STIEGLITZ.

Qualitative Analysis. Laboratory Work. 4. M or MM. 1st Term. K 24
Prerequisite: General Inorganic Chemistry.

Quantitative Analysis. Laboratory Work. 6. M or MM. 1st Term. K 24
Prerequisite: Qualitative Analysis.

***Research Work for Ph.D. Thesis. Organic Chemistry.** 20. MM. 1st Term.

DR. CURTISS.

The Aromatic Series. 26. $\frac{1}{2}$ DM. K 20
Mondays and Thursdays, 8:30

XXI. GEOLOGY.

W.

Summer Quarter.

PROFESSOR SALISBURY.

Special Geology. M or MM. (24)**Professional Geology.** (28)**Independent Field Work.** (29)**Geographic Geology** (at the University). MM.

1st Term. (9) 9:30-11:30

Prerequisites: Physiography, Elementary Geology, Elementary Physics, and Chemistry.

Field Geology. (Selected localities in the field, centering in 1894 about Devil's Lake, Wisconsin.)

2d Term. MM and M. (27)

Prerequisites: Course (9) or its equivalent.

Autumn Quarter.

HEAD PROFESSOR CHAMBERLIN.

General Seminar. (26)**Principles and Working Methods of Geology.**

DM or DMM. (23) 10:30

Prerequisites: Courses (9) and (11), or their equivalents; Mineralogy and Petrology.

Professional Geology. DM. (28)

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology. M or MM. (24)**Local Field Geology.** (25)

PROFESSOR SALISBURY.

Geographic Geology. DM or DMM. (9) 11:30

Prerequisites: Physiography, Elementary Geology, Physics, and Chemistry.

Laboratory Work in Geographic Geology. (10)

Open to members of Course (9) only.

ASSOCIATE PROFESSOR IDTINGS.

Geometrical and Physical Crystallography. 3 M. (2) 9:30

(Autumn Quarter and 1st Term of Winter Quarter.)

Prerequisites: Physics and Inorganic Chemistry.

Petrography. DM (or DMM). (6) 2:00

Prerequisite: Course (2).

DR. QUEREAU.

Introduction to Palæontologic Geology. (17a)

Prerequisites: Zoölogy and General Geology.

Special Palæontologic Geology. DM or DMM. (19) 10:30

Prerequisite: Course 17a.

Winter Quarter.

HEAD PROFESSOR CHAMBERLIN. (W)

Principles and Working Methods of Geology (continued). DM or DMM. (23) 10:30

Prerequisites: See Autumn Quarter.

General Seminar. (26)**Professional Geology.** DM or DMM. (28)**Seminar in Glacial Geology.** M. 2d Term. (23b) 10:30

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY. (W)

Special Geology (continued). M or MM. (24)

PROFESSOR SALISBURY. (W)

Structural Geology and Continental Evolution. DM or DMM. (11) 11:30

Prerequisites: Course (9), Geology. Desirable antecedents: Elementary Mineralogy and Petrology.

General Geology. DM or DMM. (12) 9:30

Not open to Academic College students, except in cases of special fitness.

Dynamic Geography. 1 or more MM or M.

Prerequisites: Courses (9) and (11), or their equivalents.

ASSOCIATE PROFESSOR IDTINGS. (W)

Geometrical and Physical Crystallography (continued). 1st Term. (2) 9:30**Descriptive Mineralogy.** M. 2d Term. (3) 9:30

Prerequisite: Course (2).

Petrography. DMM or DM. (6) 2:00

Prerequisites: Courses (2) and (3).

ASSOCIATE PROFESSOR PENROSE. (W)

Economic Geology. DM. (14) 8:30

Prerequisites: Courses (4) and (11); also Inorganic Chemistry and Physics.

Chemistry of Ore Deposits. DM. (15)

Prerequisite: Courses (5), (6), and (14); Geology.

DR. QUEREAU. (W)

Palæontologic Geology. Palæozoic Life. DM or DMM. (18) 2:00

Prerequisite: Course (17a), Geology.

Special Palæontologic Geology. DM or DMM. (19) 10:30

Prerequisite: Course 17a.

Spring Quarter.

HEAD PROFESSOR CHAMBERLIN.

General Seminar. 26.

Geologic Life Development. 16. DM. 10:30

Prerequisite: Zoölogy, Botany, Course 11 or 12, Geology.

Professional Geology. 28. DM or DMM.

HEAD PROFESSOR CHAMBERLIN AND PROFESSOR SALISBURY.

Special Geology (continued). 24. M or MM.

Local Field Geology (continued). 25.

PROFESSOR HOLMES.

Archæologic Geology. 22. ½ M.

Friday, 2:30

Geographic Geology. 22a. ½ M.

Friday, 3:30

Courses 22 and 22a, with accompanying reading and drawing, together count as one M.

ASSOCIATE PROFESSOR IDDINGS.

Descriptive Mineralogy (continued). 3. DM. 1st Term. 9:30

Prerequisite: Courses (2) and (3).

Petrography. 6. DMM or DM. 11:30

Prerequisite: Course 2.

Petrology. 7. M or MM.

DR. QUEREAU.

Palæontologic Geology. Mesozoic Life. 18. DMM or DM. 2:00

Special Palæontologic Geology. 19. DM or DMM.

Prerequisite: Course 17a. 10:30

MR. O. C. FARRINGTON.

Determinative Mineralogy. 4. M. 2d Term.

9:30

Prerequisites: Courses 2 and 3.

XXII. ZOÖLOGY.

K.

Special fees will be charged to students taking Laboratory Courses in Zoölogy, Anatomy and Histology, Physiology, and Neurology as follows:

\$5.00 a quarter for a Double Minor Course.

\$10.00 a quarter for a Double Major Course.

Summer Quarter.

HEAD PROFESSOR WHITMAN.

Marine Biology at the Marine Biological Laboratory, Wood's Holl.

Autumn Quarter.

HEAD PROFESSOR WHITMAN.

*Embryology. Higher Invertebrates. Research. DMM. (1) 4:00

Prerequisites: The introductory Courses in Embryology, Anatomy, and Histology.

*Seminar. DM. (2) Bi-weekly.

DR. WHEELER.

Comparative Anatomy of the Vertebrates. DM or DMM. (9) Lectures and Laboratory Work. 9:30
Prerequisite: General Biology.

DR. JORDAN.

Special Bacteriology. DM or DMM. (12) 8:30
Prerequisites: General Biology, General Bacteriology.

DR. WATASÉ.

Anatomy and Physiology of the Cell. Research Course. DM. (6) 10:30

Winter Quarter.

HEAD PROFESSOR WHITMAN. (K 22)

*Embryology. Higher Invertebrates. DMM. (3) 4:00

For prerequisites see Autumn Quarter.

*Seminar. DM. (4) Bi-weekly.

DR. WHEELER. (K 37)

Comparative Anatomy of the Vertebrates (continued). DM. or DMM. (10) Lectures and Laboratory Work. 9:30-12:30
For Prerequisites see Autumn Quarter.

DR. JORDAN. (K 13)

Special Bacteriology. DM. or DMM. (14) 8:30
Prerequisites: General Biology, General Bacteriology.

DR. WATASÉ. (K 37)

Anatomy and Physiology of the Cell (continued). DM. (7) 10:30

Spring Quarter.

HEAD PROFESSOR WHITMAN.

*Embryology. Tectonics of the Vertebrate Embryo. 5. DMM. 4:00; K 22
Prerequisite: The introductory courses in Morphology.

DR. WHEELER.

Vertebrate Embryology. 11. DMM.

9:30-12:30; K 37

Prerequisite: General Biology, Histology, and Comparative Anatomy of Vertebrates.

DR. JORDAN.

Special Bacteriology. 16. DM or DMM. 8:30; K 13

Prerequisite: *General Biology, General Bacteriology.*

General Bacteriology. 17. DM. 9:30; K 37

DR. WATASÉ.

Anatomy and Physiology of the Cell (continued). 8. DM. 10:30; K 37

DR. WYLD.

Theories and Facts of Heredity and Evolution.

(Special course). 20. DM.

Wedn., Thurs. and Fri., 4:00; W 3d floor

XXIII. ANATOMY AND HISTOLOGY.

K 37.

Laboratory Fees, see Department XXII.

Summer Quarter.

DR. EYCLESHYMER.

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 1st Term. (1)

Elements of Histology. M. 2d Term. (2)

Autumn Quarter.

DR. EYCLESHYMER.

Mammalian Anatomy. M. 1st Term. (1)

Wednesday and Thursday, 2:00-5:00

Methods Employed in the Preparation of Animal Tissues for Histological Study. M. 2d Term.

(2) Wednesday and Thursday, 2:00-5:00

Prerequisite: Course (1).

Winter Quarter.

DR. EYCLESHYMER.

Elements of Histology. M. 1st Term. (3)

Prerequisite: Course (2).

Thursday and Friday, 2:00-5:00

Methods Employed in the Preparation of Animal Tissues for Histological Study (repeated). M.

2d Term. (2a) Thursday and Friday, 2:00-5:00

Mammalian Anatomy. DM. (4)

Hours to be arranged.

Spring Quarter.

DR. EYCLESHYMER.

Comparative Histology. 5. DM.

Prerequisite: *Courses (2 or 2a) and (4).* K 37

Methods Employed in the Preparation of Animal Tissues for Histological Study (repeated). 2b.

M. 1st Term.

Thursday and Friday, 2:00-5:00; K 37

Elements of Histology (repeated). 3a. M. 2d Term. Thursday and Friday, 2:00-5:00; K 37

XXIV. PHYSIOLOGY.

R.

Summer Quarter.

DR. LINGLE.

Physiology of Digestion, Secretion, and Metabolism. DM or DMM. (6) Lectures and Laboratory work.

Prerequisites: Courses (2) and (5).

Autumn Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigation in Physiology.** DMM. (1) 9:30

Advanced Physiology. DM or DMM. (2) 11:30

Physiology of the Sense Organs and the Peripheral and Central Nervous System. DM. (3)

Mon., Wed., Fri., and Sat., 10:30

Winter Quarter.

ASSISTANT PROFESSOR LOEB. (R 34 and 38)

***Original Investigation in Physiology** (continued). DMM. (1) 9:30

Advanced Physiology. DM or DMM. (2) 2:00

Physiology of Circulation, Respiration, and Animal Heat. (4) Mon., Wed., Fri., and Sat., 10:30

Prerequisite: Course (2).

DR. LINGLE. (R 36)

Physiology of Digestion, Secretion, and Metabolism. DM or DMM. (6)

Thursday, Friday, and Saturday, 2:00-5:00

General Laboratory Work. DM. (7)

Monday, Tuesday, and Wednesday, 2:00-5:00

Spring Quarter.

ASSISTANT PROFESSOR LOEB.

***Original Investigation in Physiology** (continued). 1. DMM. 9:30; R 34

Advanced Physiology. 2. DM or DMM. 2:00; R 34

General Physiology 8. DM.

Monday, Wednesday, Thursday, Saturday, 10:30; R 34

DR. LINGLE.

General Laboratory Work in Physiology. 11. DM. Monday to Wednesday, 2:00-5:00; R 34

XXV. NEUROLOGY.

K 14 and 42.

Summer Quarter.

PROFESSOR DONALDSON.

The Development of the Central Nervous System.

DM. (5) Thursday, 8:30

Prerequisite: Histology and Embryology.

* Seminar. DM. (6) Friday, 8:30

Autumn Quarter.

DR. MEYER. (K 42)

The Architecture of the Central Nervous System.

DM. (1) Wednesday, 9:00-11:00; 3:00-5:00

Prerequisite: General Histology.

Winter Quarter.

PROFESSOR DONALDSON. (K 14 and 42)

The Growth and Physical Characters of the Brain as related to the Intelligence. M. 1st Term.

(2) Thursday, 8:30

Prerequisite: General Histology.

Anatomy of the Special Sense-Organs. M. 2d Term. (3). Thursday, 8:30

Prerequisite: General Histology.

* Seminar. DM. (6) Friday, 8:30

Spring Quarter.

PROFESSOR DONALDSON.

Doctrine of Localization of Function in the Cerebral Cortex. 4. DM. Thursday, 8:30; K 14
Prerequisite: *Histology and Elementary Physiology.*

* Seminar. 6. DM. Friday, 8:30; K 42

DR. MEYER.

Twelve Lectures with Demonstrations. 7. $\frac{1}{2}$ DM.

Friday, 3:00-5:00; K 14 and 42

An Introduction to Comparative Anatomy of the Central Nervous System.

XXVI. PALÆONTOLOGY.

W 3d Floor.

Summer Quarter.

ASSISTANT PROFESSOR BAUR.

Palæontological Field Work. DM. (6)*Autumn Quarter.*

ASSISTANT PROFESSOR BAUR.

Seminar in Phylogeny. (M) (3) 3:00* **Research in the Osteology of Living and Extinct Vertebrates.** DMM. (5)

Daily 8:30-12:30, 2:00-4:00

Prerequisites: Comparative Osteology and Phylogeny of Vertebrates.

Winter Quarter.

ASSISTANT PROFESSOR BAUR.

* **Comparative Osteology and Phylogeny of Vertebrates.** M. (2) 2 hrs. a week. 11:30

Prerequisites: Vertebrate Zoölogy, Anatomy, Embryology, Geology.

* **Seminar in Phylogeny.** M. (3) 3:00* **Research in the Osteology of Living and Extinct Vertebrates.** DMM. (5).

Daily, 8:30-12:30, 2:00-4:00

For Prerequisites see Autumn Quarter.

Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates. In connection with course (2). (4)

2 hrs. a week. 2:00-4:00

Human Osteology. M. (7)

2d Term of Winter Quarter.

1st Term of Spring Quarter.

Wednesday and Friday, 8:30-9:30

Laboratory Work, Saturday, 8:30-10:30

Spring Quarter.

ASSISTANT PROFESSOR BAUR.

* **Comparative Osteology and Phylogeny of Vertebrates** (continued). 2. $\frac{1}{2}$ DM.

2 hrs. a week. 11:30

* **Seminar in Phylogeny.** 3. $\frac{1}{2}$ DM. 3:00**Laboratory Work in Comparative Osteology of Living and Extinct Vertebrates.** 4.

2 hrs. a week. 2:00-4:00

* **Research in the Osteology of Living and Extinct Vertebrates.** 5. DMM. Daily, 8:30-12:30

2:00-4:00

Human Osteology. 7. M. 1st Term.

See Winter Quarter.

XXVII. BOTANY.

W 3d Floor.

Summer Quarter.

MR. CLARKE.

Special Laboratory Work. MM or DM. (8)

Autumn Quarter.

PROFESSOR COULTER.

Plant Morphology. Lectures. $\frac{1}{2}$ DM. (1)
Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (4)
Saturdays, 10:30-12:30

MR. CLARKE.

Plant Evolution. Lectures and Class Discussions.
DM. (7) 8:30

Prerequisite: Elementary Botany in College or
High School. Open to the Academic Colleges.

Winter Quarter.

PROFESSOR COULTER.

Plant Anatomy. Lectures. $\frac{1}{2}$ DM. (2)
Saturdays, 9:30

Advanced Laboratory Work. $1\frac{1}{2}$ DM. (5)
Saturdays, 10:30-12:30

MR. CLARKE.

Plant Evolution (repeated). Lectures and Class
Discussions. DM. (7) 8:30

Prerequisite: Elementary Botany in College or
High School. Open to the Academic Colleges.

Spring Quarter.

PROFESSOR COULTER.

Plant Physiology. Lectures. 3. $\frac{1}{2}$ DM.
Saturdays, 9:30

Advanced Laboratory Work. 6. $1\frac{1}{2}$ DM.

For Graduate Students only.

Saturdays, 10:30-12:30

NOTE: During other days of the week Laboratory Work will be assigned by Professor Coulter. Courses (1, 2 or 3) and (4-6) or (1-6) must be taken together. Eight hours' laboratory work will be, with the lectures, a DM; or eighteen hours a DMM. No credit will be given for the lectures without the Laboratory Work. Primarily for Graduate Students; open also to the University Colleges.

MR. CLARKE.

Elementary Practical Botany. 9. DM.

Lectures, 2 hours, Laboratory Work, 6 hours a week. Four sessions a week, 8:30-10:30. Field excursions weekly, optional with members of the class.

XXVIII. ELOCUTION.

K Theatre.

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2).

Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

Reading Aloud. 3 hrs. a week. 4. M.

Monday, Wednesday, and Friday, 4:00

Dramatic Reading. 5. M.

Monday, Wednesday, and Friday, 3:00

THE ACADEMIC COLLEGES.

NOTE.—The following is a list of the titles of courses to be given in the Academic Colleges from July 1, 1894, to July 1, 1895. For full description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES.

SPECIAL NOTICE FOR SPRING QUARTER.—The number of each course is printed in **bold-face type** following immediately upon the title of the course. The hour and place of the exercises are indicated after the course.

REGISTRATION.—Students in residence must register for the Spring Quarter on or before March 8. The registration card will be filled out in consultation with the Dean. The Dean may be consulted at his Office Hours.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before April 1.

Registration after these dates may be secured only, (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

II. POLITICAL ECONOMY.

C 3-8.

Autumn Quarter.

PROFESSOR A. C. MILLER AND MR. HILL.

Principles of Political Economy. DM. (1) 8:30
Open only to students who elect 1A or 1B in the Winter Quarter.

Winter Quarter.

NOTE.—Either 1A or 1B is required of students who took Course 1 in the Autumn Quarter.

PROFESSOR A. C. MILLER. (C 3)

Advanced Political Economy. DM. (1A) 8:30

MR. CLOSSON. (C 5)

Descriptive Political Economy. DM. (1B) 8:30

III. POLITICAL SCIENCE.

C. 1, 9, 10, 12.

Summer Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (71, repeated). 11:30

Autumn Quarter.

MR. CONGER.

Geography of Europe. An Introduction to the History of Europe. DM. (71) 8:30

Winter Quarter.

MR. CONGER. (C 9)

Geography of Europe (repeated). DM. (71) 11:30

Geography of South and Central America. DM. (73) 2:00

Spring Quarter.

MR. CONGER.

Geography of Europe (repeated). 71. DM. 11:30; C 13

IV. HISTORY.

C 5-8.

Summer Quarter.

ASSOCIATE PROFESSOR THATCHER AND MR. CONGER.

The Mediæval Period. DM. (1) 8:30

MR. CONGER.

Geography of Europe. DM. (See Political Science, Course 71).

Autumn Quarter.

ASSOCIATE PROFESSOR THATCHER.

The Mediæval Period (repeated). DM. (1)
Section A. 11:30
Section C. 9:30

MR. CONGER.

The Mediæval Period (repeated). DM. (1)
Section B. 10:30
The Modern Period. DM. (2)
Section A. 2:00

MR. CATTERALL.

The Modern Period. DM. (2)
Section B. 11:30

MR. CONGER.

Geography of Europe. DM. (See Political Science, Course 71.) 8:30

Winter Quarter.

ASSOCIATE PROFESSOR THATCHER. (C 8)

The Mediæval Period (repeated). DM. (1)
Section A. 10:30

MR. CONGER. (C 8)

The Mediæval Period. DM. (1)
Section B. 8:30

The Modern Period (repeated). DM. (2)
Section A. 9:30

MR. CATTERALL. (C 7)

The Modern Period. DM. (2)

Section B. 10:30

MR. CONGER. (C 9)

Geography of Europe (repeated). DM. 11:30
(See Political Science, Course 71.)

Spring Quarter.

ASSOCIATE PROFESSOR THATOHER.

The Mediæval Period (repeated). 1a. DM. 9:30; C 8

MR. CATTERALL.

The Modern Period (repeated). 2a. DM. 10:30; C 8

MR. CONGER.

The Mediæval Period (repeated). 1b. DM. 8:30; C 9

The Modern Period (repeated). 2b. DM. 9:30; C 9

Geography of Europe (repeated). DM. (See Political Science, Course 71.) 11:30; C 13

NOTE.—Courses 1 and 2 are required of all students who intend to present themselves as candidates for the Bachelor's degree. They are accordingly repeated each Quarter.

XI. THE GREEK LANGUAGE AND LITERATURE.

B 2-8.

Summer Quarter.

MR. W. B. OWEN.

Xenophon. (Memorabilia); Plato (Apology and Crito). DMM. (2), 8:30 and 3:00

DR. HUSSEY.

Readings and Studies in the Odyssey. M. 2d Term. (10) 10:30

MR. HEIDEL.

Demosthenes as an Orator and a Man. M. 2d Term. (11) 11:30

Autumn Quarter.

PROFESSOR TARBELL.

Two Plays of Euripides. DM. (5) 9:30

ASSISTANT PROFESSOR CASTLE.

Xenophon (Memorabilia); Plato (Apology and Crito). DM. (2) 9:30

MR. W. B. OWEN.

Homer (Selections from the Odyssey). DM. (3) 10:30

Homer (Iliad, Books I-III). Review of Greek Grammar.

Intended for students entering with Greek (1)

and (2) only. This course will not be counted as one of the three required Majors in Greek. DM. (1) 9:30

Winter Quarter.

PROFESSOR SHOREY (WITH MR. OWEN). (B 2)

Homer (Iliad). DM. (18) 11:30

ASSISTANT PROFESSOR CASTLE. (B 7)

Xenophon (Memorabilia); Plato (Apology of Socrates). DM. (2) 10:30

MR. W. B. OWEN. (B 2)

Homer (Iliad, Books I-III). Review of Greek Grammar. DM. (1) 8:30

Intended for students entering with Greek (1) and (2) only. This course will not be counted as one of the three required Majors in Greek.

Spring Quarter.

MR. OWEN.

Lysias (Selected Orations) and Isocrates (Panegyricus). 4. DM. 9:30; B 2

Not open to students who take Course 2.

Herodotus (selections). 17. DM. 8:30; B 2

XII. THE LATIN LANGUAGE AND LITERATURE.

B 2-8.

Summer Quarter.

MR. C. H. MOORE.

Livy; the Writing of Latin. M. Second Term. (6) 9:30

Horace (Odes). M. Second Term. (7) 10:30

MR. WALKER.

Cicero (de Senectute); the Writing of Latin. M. First Term. (4) 9:30

Terence. M. First Term. (5) 10:30

Autumn Quarter.

ASSISTANT PROFESSOR MILLER.

Terence (Phormio); Tacitus (Germania and Agricola); the Writing of Latin. DM. (5a) 9:30

Horace (Odes); Wilkins' Primer of Roman Literature. DM. (6a) 10:30

MR. C. H. MOORE.

Cicero (de Senectute); Livy (Books I and II); the Writing of Latin. Section 1. DM. (4a) 8:30

MR. WALKER.

- Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. Section 2. DM. (4b) 9:30
Cicero (Orations). DM. (1) 8:30

Winter Quarter.

ASSISTANT PROFESSOR MILLER.

- Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. Section 1. DM. (4c) 9:30; B 6.
Horace (Odes); Wilkins' Primer of Roman Lit-
erature. DM. (6b) 10:30
Prerequisite: Courses 4 and 5.

MR. C. H. MOORE.

- Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. Section 2. DM. (4d) 8:30
Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 1. DM. (5b) 9:30
Prerequisite: Course 4.

MR. WALKER. (B 7 and 8)

- Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 2. DM. (5c) 10:30
Prerequisite: Course 4.
Virgil (Æneid). DM. (2) 8:30
Prerequisite: Course 1.
Open only to students in the course in Science.

MR. GORDIS. (B 8)

- Cicero (Letters). (Academic College elective
course.) DM. (7) 10:30
Open to students who have completed the
required three majors in Latin.
Courses 1, 2, and 3 (which are to be taken in
this order) are open only to students in the
course in Science, and are required of them.
Courses 4, 5, and 6 (which are to be taken in
this order) are required of students in the
courses in Arts and Letters.
The elective Courses 7 and 8 are open to stu-
dents who have completed Courses 4, 5, and 6.

Spring Quarter.

PROFESSOR CHANDLER.

- Cicero (the Tusculan Disputations). (Academic
College elective course.) 8. DM. 9:30; B 5
Open to students who have completed the
required three majors in Latin.

ASSISTANT PROFESSOR MILLER.

- Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 1. 5d. DM. 10:30; B 6
Prerequisite: Course 4.

MR. C. H. MOORE.

- Cicero (de Senectute); Livy (Books I and II);
the Writing of Latin. 4c. DM. 8:30; B 8
Terence (Phormio); Tacitus (Germania and Agri-
cola); the Writing of Latin. Section 2. 5e. DM. 9:30; B 8
Prerequisite: Course 4.
Horace (Odes); Wilkins' Primer of Roman Lit-
erature. Section 1. 6c. DM. 10:30; B 8
Prerequisite: Course 5.

MR. WALKER.

- Horace (Odes); Wilkins' Primer of Roman Lit-
erature. Section 2. 6d. DM. 9:30; B 7
Prerequisite: Course 5.
Selections from Ovid, Horace, Catullus, and Cicero's
Letters. 3. DM. 8:30; B 7
Prerequisite: Courses 1 and 2.
Open only to students in the course of Science.

XIII. ROMANCE LITERATURE AND PHILOLOGY.

B 12-16.

Summer Quarter.

MR. HOWLAND.

- French. Chardenal's Grammar and Knapp's Read-
ings. DM. 8:30

Autumn Quarter.

ASSISTANT PROFESSOR BERGERON.

- Elementary French. DM. (1) 11:30

MR. HOWLAND.

- Elementary French. DM. (1) 10:30

MISS WALLACE.

- Elementary Spanish. DM. (23) 10:30

Winter Quarter.

ASSISTANT PROFESSOR BERGERON.

- Elementary French (continued). DM. (2) 11:30

MR. HOWLAND. (B 12)

- Elementary French (continued). DM. (2) 10:30
Elementary Spanish (continued). Selections from
modern dramatists and novelists. DM. (24) 9:30

DR. DE POYEN-BELLISLE. (B 15)
Elementary French. DM. (1) 11:30
Spring Quarter.

ASSISTANT PROFESSOR BERGERON.
Elementary French (continued). 3. DM. 11:30; B 16
 Prerequisite: *French, Course 2.*
Elementary French (beginning). 1. DM. 9:30; B 16

DR. DE POYEN-BELLISLE.
Elementary French (continued). 2. DM. 11:30; B 12
 Prerequisite: *French, Course 1.*

XIV. THE GERMANIC LANGUAGES AND LITERATURES.
 B 9-11.

Summer Quarter.

ASSOCIATE PROFESSOR CUTTING.
German Lyrics. DM. (33) 10:30
 For students who have passed the entrance examination in German (2).

DR. VON KLENZE.
Elementary Course. DMM. (29) 8:30 and 11:30
 Required of all Academic College students who entered without German.

MR. MULFINGER.
Modern Prose. DM. (31) 2:00
 For students who have passed the entrance examination in German (1).

Autumn Quarter.

ASSOCIATE PROFESSOR CUTTING.
Elementary Course. DMM. (29) 8:30 and 3:00
 For students who enter without German.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.
Modern Prose. DM. (31) 8:30
 For students who have passed the entrance examination in German (1).

MR. WOOD.
Intermediate Course. DM. (30) 9:30
 Prerequisite: Course (29) or its equivalent.

Winter Quarter.

ASSOCIATE PROFESSOR CUTTING. (B 9)
Early Nineteenth Century Prose. DM. (34) 8:30
 For students who have passed the entrance examination in German (1) and (2).
 Prerequisite: Course (31) or its equivalent.

MR. MULFINGER. (B 10)
Elementary Course. DMM. (29) 8:30 and 3:00
 For students who enter without German.

Intermediate Course. DM. (30) 11:30
 Prerequisite: Course (29) or its equivalent.

Spring Quarter.

ASSISTANT PROFESSOR SCHMIDT-WARTENBERG.
Elementary Course. 29. DMM. 8:30 and 3:00; B 10
 For students who enter without German.

DR. VON KLENZE.
Modern Historical Prose. Substitute for course 35. DM. 10:30; B 9
 For students who have passed the entrance examination in German 1 and 2.

MR. WOOD.
Intermediate Course. 30. DM. 8:30; B 9
 Prerequisite: Course (29) or its equivalent.

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

D 8-10.

Summer Quarter.

PROFESSOR L. A. SHERMAN.
Studies in the Interpretation of Shakespeare. DM. (1)

MR. HERRICK.
Rhetoric and English Composition. DM. (1)
 Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.
 (1A) Class-room instruction, short themes, and exercises for one Quarter. 2:00.

Daily Themes. DM. (7)

MR. LOVETT.
English Literature. A course in the study of Masterpieces: Shakespeare, Milton, Addison, Swift, Scott, Browning, Tennyson. 2 MM. First and Second Terms. (10)

Autumn Quarter.

ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.
English Literature. DM. (10)
 Prerequisite: Course (1 A).
 Required of all Academic College students.
 Section a, 10:30
 Section b, 2:00

MESSESS. HERRICK, LOVETT, AND LEWIS.**Rhetoric and English Composition. DM. (1)**

Required of all students in the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter.

Section a, 10:30

Section b, 11:30

Section c, 2:00

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges. Consultation Wednesdays, 1:30.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. [Students who elect Course 2 are excused from Course 1C.]

MR. LOVETT.**English Composition. DM. (2) 8:30**

Prerequisite: Course (1A) and (1B).

[Students who elect Course 2 are excused from 1C.]

*Winter Quarter.***ASSOCIATE PROFESSOR MCCLINTOCK.****Shakespeare; the Interpretation of Representative Plays. DM. (42A) 10:30**

Prerequisite: Course (10).

ASSISTANT PROFESSOR BLACKBURN.**History of the English Language. DM. (55) 2:00**

Prerequisite: Course (10).

ASSISTANT PROFESSOR TOLMAN AND MISS REYNOLDS.**English Literature. DM. (10, repeated).**

Section a. 8:30

Section b. 9:30

Required of all Academic College students.

Prerequisite: Course (1A).

MESSESS. HERRICK, LOVETT, AND LEWIS.**Rhetoric and English Composition. DM. (1)**

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes and exercises for one Quarter. 3:00

(1B) Themes to follow (1A) for two Quarters.

Attendance at consultation hours required:

Tuesdays, 1:30

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. Thursdays, 1:30. [Students who elect Course 2 are excused from Course 1C.]

*Spring Quarter.***ASSISTANT PROFESSOR TOLMAN.****English Literature (repeated). 10. DM.**

10:30; D 8

Required of all Academic College students.

Prerequisite: Course (1A).

MESSESS. HERRICK, LOVETT, AND LEWIS.**Rhetoric and English Composition. 1. DM.**

Required of all students of the Academic Colleges. Course (1) must be taken immediately after entrance.

(1A) Class-room instruction, short themes, and exercises for one Quarter. 2:00; D 8

(1B) continued. Themes to follow (1A) for two Quarters. Attendance at consultation hours required. Tuesdays, 1:30.

(1C) Twelve papers of a minimum length of 400 words are required of each student during the last three Quarters of his course in the Academic Colleges.

Material for such papers should be obtained from the student's work in other departments. Lectures in English Composition, at which attendance is voluntary, will be given at intervals. Consultation with the instructors is required. Thursdays, 1:30. [Students who elect Course 2 are excused from Course 1C.]

MR. LEWIS.**English Composition (repeated). 2. DM. 8:30; D 1**

Prerequisite: Courses (1A) and (1B).

[Students who elect Course 2 are excused from Course 1C.]

XVI. BIBLICAL LITERATURE IN ENGLISH.

A. OLD TESTAMENT.

Autumn Quarter.

DR. KENT.

Outline of Hebrew History. DM. (A29) 11:30

Winter Quarter.

DR. KENT. (D 16)

The Minor Prophets of the Assyrian Period. M.
1st Term. (18) 2:00

Isaiah I-XXXIX. M. 2d Term. (12) 2:00

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

The Book of Jeremiah. 37b. M. 2d Term.
2:00; D 11

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Geography. 53. M. 2d Term.
2:00; D 13Mesopotamian Life. 54. M. 1st Term.
2:00; D 13

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Epistles of the Apostle
Paul. M. 2d Term. (B 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B 10) 9:30

Autumn Quarter.

MR. VOTAW.

The Founding of the Christian Church. DM. (B 4)
11:30*Winter Quarter.*

ASSOCIATE PROFESSOR MATHEWS. (D 15)

The Gospel of Matthew. DM. (B 7) 9:30

XVII. MATHEMATICS.

R 35-40 and C

Summer Quarter.

MR. SLAUGHT.

Plane Trigonometry. 1st Term. M. (3) 7:30

MR. SMITH.

Plane Analytic Geometry. Advanced course. DM.
(6) 8:30

MR. HUTCHINSON.

Differential and Integral Calculus. First Course.

1st Term. M. (6A) 1:45

Autumn Quarter.

Required Mathematics.

Two consecutive double minors of mathematics are required of every student in the first year of residence. The subjects are, in order: *Plane trigonometry, the elements of the analytic geometry of the conic sections, and the elementary theory of finite and infinite algebraic and trigonometric series.*

This course will be given in 1894-95 in seven sections: Course 1, sections 1a, 1b, 1c, 1d, during the Autumn and Winter Quarters; Course 2, sections 2a, 2b, 2c, during the Winter and Spring Quarters.

Students wishing to study Chemistry or Physics or to elect *Culture Calculus* (Course 5) should enter section 1a, 1b, 1c, or 1d.

If students are allowed to matriculate with entrance conditions in mathematics, they are expected to remove these conditions at the next regular entrance examination, and, until this has been done, they may not take the required college mathematics.

The classes in Required Mathematics meet in *Cobb Lecture Hall*, in rooms advertised from quarter to quarter on the general bulletin boards in *Cobb Lecture Hall* and on the departmental bulletin board in R 37.

Academic College Electives in Mathematics.

Courses (5), *Culture Calculus* (Double Minor, Spring Quarter) and (4) *Analytics and Calculus* (three consecutive Double Minors). Students intending to specialize in Mathematics, in Astronomy, or in Physics should arrange their work so as to take *Analytics and Calculus* in their second year of residence.

DR. BOYD.

Analytics and Calculus. DM. (4)

Academic College Elective. To be continued through three quarters. First quarter: Casey's *Treatise on Conic Sections*. With fortnightly *Colloquium*.

Section 4a. 11:30

Section 4b. 10:30

Required Mathematics. Section 1a; first quarter.
DM. (1a) 8:30

DR. HANCOCK.

Required Mathematics. Section 1b; first quarter.
DM. (1b) 9:30

Required Mathematics. Section 1c; first quarter.
DM. (1c) 10:30

MR. DICKSON.

Required Mathematics. Section 1d; first quarter.
(1d) 11:30

Winter Quarter.

DR. BOYD.

Analytics and Calculus. *Academic College Elective.*
To be continued through three quarters. Second

quarter: Todhunter's *Differential and Integral Calculus*. With fortnightly *Colloquium*. DM.
(4)

Section 4a.	11:30
Section 4b.	10:30

Required Mathematics. Section 1a; second quarter. DM. (1a) 8:30

DR. HANCOCK.

Required Mathematics. Section 1b; second quarter. DM. (1b) 9:30

Required Mathematics. Section 1c; second quarter. DM. (1c) 10:30

MR. SMITH.

Required Mathematics. Section 1d; second quarter. DM. (1d) 11:30

MR. GILLESPIE.

Required Mathematics. Section 2a; first quarter. DM. (2a) 8:30

MR. SLAUGHT.

Required Mathematics. Section 2b; first quarter. DM. (2b) 11:30

MR. BROWN.

Required Mathematics. Section 2c; first quarter. DM. (2c) 2:00

Spring Quarter.

DR. YOUNG.

Culture Calculus: Introduction to the Differential and Integral Calculus. This *Academic College Elective* is general and summary, and is intended to give to those who do not wish to study Mathematics further an idea of this important instrument of mathematical thought. 5. DM. 9:30; D 15

Prerequisite: *Required Mathematics*.

DR. BOYD.

Analytics and Calculus. *Academic College Elective*. To be continued through three quarters. Third quarter: Todhunter's *Differential and Integral Calculus*. With fortnightly *Colloquium*. 4. DM. R 36

Section 4a.	11:30
Section 4b.	10:30

DR. HANCOCK.

Required Mathematics. Section 2a; second quarter. 2a. DM. 8:30; C 13

Required Mathematics. Section 2b; second quarter. 2b. DM. 9:30; B 9

MR. ROTHROCK.

Required Mathematics. Section 2c; second quarter. 2c. DM. 11:30; B 10

XIX. PHYSICS.

R.

Summer Quarter.

ASSOCIATE PROFESSOR STRATTON.

General Physics. 5 hrs. a week. DM. (5) 8:30
Prerequisite: Plane Trigonometry.

MR. HOBBS.

Laboratory Practice. 10 hrs. a week. DM. 2:00
Prerequisite: First Quarter of (5).

Winter Quarter.

ASSOCIATE PROFESSOR STRATTON.

General Physics. DM. (5)
Lectures, Tuesday-Saturday, 9:30
Prerequisite: Plane Trigonometry.

ASSISTANT PROFESSOR WADSWORTH.

Laboratory Practice. (General). DM. (6)
Tuesday-Saturday, 10:30-12:30
Prerequisite: First Quarter of (5)

Spring Quarter.

ASSOCIATE PROFESSOR STRATTON.

General Physics. 5. DM.
Tuesday-Saturday, 8:30; R 32
Prerequisite: *Plane Trigonometry*.

ASSISTANT PROFESSOR WADSWORTH.

Laboratory Practice. (General). 6. DM.
Sec. A. 9:30-11:30, Sec. B. 1:30-3:30; R 41
Prerequisite: *First Quarter of (5)*.

XX. CHEMISTRY.

K.

Laboratory Fees, see (Ogden) Graduate School.

Summer Quarter.

DR. STIEGLITZ.

General Inorganic Chemistry. DMM. (2) Monday-Thursday at 11:30. Laboratory work Monday, Tuesday, and Wednesday, 2:00-5:00.
Prerequisite: Academic College course in Physics, including laboratory work.

Autumn Quarter.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. Introductory course. DM. (1) First Term, Monday, Tuesday, Wednesday, Thursday, and Friday, 11:30. Second Term, Monday, Tuesday, and Wednesday.

day, 11:30; Laboratory, Monday and Tuesday, 2:00-5:00.

Prerequisite: See Course 2, Summer Quarter.
A continuous course through three quarters.

General Chemistry. Chiefly laboratory work. M.
(3) Second Term.

Monday and Tuesday, 2:00-5:00

Winter Quarter.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. Introductory course.
DM. (1 continued) Monday, Tuesday, and
Wednesday, at 11:30, and Laboratory, Monday
and Tuesday, 2:00-5:00.

Prerequisite: Course 1 in First Quarter.

General Chemistry. Chiefly laboratory work. DM.
(3)

Spring Quarter Revised.

ASSISTANT PROFESSOR SMITH.

General Inorganic Chemistry. Introductory course.
I (concluded). DM. 11:30 and 2:00-5:00; K 20
Prerequisite: Course 1 in First and Second
Quarters.

General Chemistry. Chiefly laboratory work. 3.
DM. Monday and Tuesday, 2:00-5:00

XXI. GEOLOGY.

W 2d floor.

Autumn Quarter.

PROFESSOR SALISBURY.

Physiography. DM. (1) 9:30

Winter Quarter.

MR. KÜMMEL.

Physiography. DM. (1, repeated). 9:30

XXII. ZOÖLOGY.

K.

Laboratory Fees, see Ogden (Graduate) School.

Summer Quarter.

DR. JORDAN.

General Biology. DM. (19) 9:30

Prerequisites: Elementary Chemistry and
Physics.

Autumn Quarter.

DR. JORDAN.

General Biology. DM. (13) 9:30

Prerequisites: Elementary Chemistry and
Physics.

Laboratory work, 2:00-5:00.

Winter Quarter.

DR. JORDAN. (K 14)

General Biology (continued). DM. (15) 9:30

Prerequisites: Elementary Chemistry and
Physics.

Laboratory work, 2:00-5:00.

XXIV. PHYSIOLOGY.

R 34.

Summer Quarter.

DR. LINGLE.

Introductory Physiology. DM. (5)

Autumn Quarter.

DR. LINGLE.

Introductory Physiology (repeated). DM. (5) 2:00

XXVI. PALÆONTOLOGY.

W 3d floor.

Autumn Quarter.

ASSISTANT PROFESSOR BAUR.

Outlines of Vertebrate Zoölogy and Palæontology.

M. 2 hrs. a week. (1) 11:30

Prerequisite: Elementary Zoölogy.

XXVII. BOTANY.

W 3d floor.

Summer Quarter.

MR. CLARKE.

Elementary Practical Botany. DM, MM, or DMM
(7)

Spring Quarter.

MR. CLARKE.

Elementary Practical Botany (repeated). 9. DM.

Lectures 2 hours, Laboratory 6 hours a week.

Four sessions a week, 8:30-10:30

Field excursions weekly, optional with members
of the class. Open to the University Colleges.

XXVIII. ELOCUTION.

K Theatre.

Autumn Quarter.

MR. CLARK.

Theory and Practice. One hour a week during the year. 6 sections. Required of students in 2d year of Academic College. (1)

Monday and Saturday, 8:30, 9:30, and 10:30

Advanced Elocution. 3 hrs. a week. M. (2) Open to the University Colleges and to students who have completed elsewhere work equivalent to Course 1.

Tuesday, Wednesday, and Friday 11:30

Winter Quarter.

MR. CLARK.

Theory and Practice (continued). 6 sections. One hour a week. (1)

Monday and Saturday, 8:30, 9:30, 10:30.

A new section will be formed meeting at 11:30 Monday, for those who have not yet begun Course 1.

See Autumn Quarter.

Original Oratoric Composition and Extemporaneous Speech. M. 1st Term. (3) 11:30
Prerequisites: 1 and 2.

Spring Quarter.

MR. CLARK.

Theory and Practice (continued). 6 sections. One hour a week. 1.

See Autumn Quarter.

Reading Aloud. 3 hours a week. 4. M.

Monday, Wednesday, and Friday 4:00

Dramatic Reading. 5. M.

Monday, Wednesday, and Friday 3:00

XXIX. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all undergraduate students not excused on account of physical disability, during four half-hours a week. Six Quarters' work in Physical Culture is required of Academic College students and four Quarters of University College students. Students taking an excessive number of cuts will not be allowed to continue their University work until they shall conform to the requirements. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it receive work which tends to symmetrical development.

Students will select their period for class work from the following: Men—8:45, 9:45, 10:45, 11:45 A.M.; 5:15 P.M. Women—9:45 A.M., 11:45 A.M., 2:15 and 3:15 P.M. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday, and Friday of each week. Bulletins containing appointments for physical examination and departmental communications will be posted.

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

JULY 1, 1894, TO JULY 1, 1895.

NOTE.—The following is a list of the titles of courses to be given in the Divinity School from July 1, 1894, to July 1, 1895.

For a complete description of the courses consult the ANNUAL REGISTER, the DIVINITY SCHOOL CIRCULAR OF INFORMATION, and the DEPARTMENT PROGRAMMES.

SPECIAL NOTICE FOR THE SPRING QUARTER.—The number of each Course in the REGISTER is printed in bold-face type following immediately upon the title of the Course.

The hour and place of the exercises are indicated after the course.

ABBREVIATIONS.—A, B, C, D, refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the description of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Spring Quarter on or before March 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done; (3) deposit the same in the office of the Dean, and (4) receive from the Dean a class-ticket.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before April 1.

Registration after these dates may be secured only (1) by special permission granted by the Dean, and (2) after the payment of a special fee of five dollars.

THE GRADUATE DIVINITY SCHOOL.

XLI. OLD TESTAMENT LITERATURE AND INTERPRETATION.

D. 12-16.

Departments XLI and VIII are identical. The courses offered in XLI are the same as those in VIII.

Summer Quarter.

HEAD PROFESSOR HARPER.

Book of Hosea. DM. (24) 7:30

The Arabic Language. The Earlier Suras. M. 1st Term. (86) 10:30

Advanced Hebrew Grammar. M. 2d Term. (94) 9:30

PROFESSOR BURNHAM.

Advanced Hebrew Grammar—Syntax. M. 1st Term. (95) 9:30

The Psalter. M. 1st Term. (22a) 10:30

HEAD PROFESSOR HARPER AND DR. CRANDALL.

Hebrew Language. MM. 2d Term. (3) 8:30

ASSOCIATE PROFESSOR PRICE.

Hebrew Language. MM. 1st Term. (2) 8:30 and 11:30

Deuteronomy, and Hebrew Syntax. M. 1st Term. (9) 9:30

ASSOCIATE PROFESSOR GOODSPEED.

Relations of Hebrew, Assyrian, and Egyptian History. DM. (36) 3:00

ASSOCIATE PROFESSOR HARPER.

Early Assyrian Historical Inscriptions. M. 1st Term. (73) 9:30

Assyrian Language. M. 1st Term. (71) 10:30

Assyrian Language. MM. 2d Term. 2:00-4:00

The Book of Proverbs. M. 2d Term. (27) 9:30

Micah. M. 1st Term. (21) 10:30

DR. CRANDALL.

Historical Hebrew. M. 2d Term. (5) 9:30

Autumn Quarter.

HEAD PROFESSOR HARPER.

Books of Joel, Amos, Obadiah, and Jonah. DM. (42) 7:30

Earlier Suras of the Kuran. DM. (87) 8:30

Semitic Seminar. DM. (102) Wednesday, 2:00-4:00

PROFESSOR HIRSCH.

General Introduction to Rabbinical Literature. M. 1st Term. (55) 2:00

Mishnah. M. 2d Term. (56) 2:00

ASSOCIATE PROFESSOR PRICE.

- Special Introduction to Prophetic Books.** DM. (38) Tuesday and Thursday 2:00-4:00
The Book of Kings (Sight reading). Mondays and Wednesday 2:00-4:00

ASSOCIATE PROFESSOR GOODSPEED.

- Beginnings of Hebrew History.** DM. (30) 2:00
History of Antiquity to the Persian Empire. DM. (34) 4:00
Earliest Historical Religions. DM. (49) 3:00

ASSOCIATE PROFESSOR HARPER.

- Beginners' Syriac.** DM. (68) 2:00
Assyrian Language. DM. (72) 3:00
Later Historical Inscriptions. DM. (74) 4:00

DR. CRANDALL.

- Books of Chronicles.** 11:30

DR. KENT.

- Outline of Hebrew History.** DM. (29) 11:30

Winter Quarter.

HEAD PROFESSOR HARPER. (D 15)

- Early Old Testament Traditions.** DM. (47) 7:30
Arabic History, Geography, and Commentary. DM. (91) 8:30
Semitic Seminar. DM. (102) Wednesday, 2:00-4:00

PROFESSOR HIRSCH. (D 13)

- Talmud.** M. 1st Term. (57) 2:00
Selected Readings from Arabic Authors, using Dieterici's *Abhandlungen der Ichwān es Safā* (Leipzig, 1884-86).

ASSOCIATE PROFESSOR PRICE. (D 15)

- Special Introduction to Hebrew Poetry and Poetical Books.** M. 1st Term. (41) 2:00
Messianic Prophecy. DM. (40) 3:00
Biblical Aramaic. M. 2d Term. (66) 2:00
Hebrew Lexicography. (Seminar.) DM. (96) Time to be arranged

ASSOCIATE PROFESSOR GOODSPEED. (D 16)

- History of the Hebrew Monarchy.** DM. (32) 2:00
History of the Hebrew Religion. DM. (50) 3:00

ASSOCIATE PROFESSOR HARPER. (D 13)

- Advanced Syriac.** DM. (69) 9:30
Selected Assyrian Historical Inscriptions. DM. (75) 10:30

DR. CRANDALL. (D 16)

- Deuteronomy** (Sight reading). 1st Term. $\frac{1}{2}$ M. (8) 8:30
Jeremiah (Sight reading). 2d Term. $\frac{1}{2}$ M. (14) 8:30

Spring Quarter.

HEAD PROFESSOR HARPER.

- Old Testament Institutions and Laws.** 48. DM. 7:30; D 15
Semitic Seminar. 102. DM. Saturday, 7:30-9:30; D 15

HEAD PROFESSOR HARPER AND DR. CRANDALL.

- Beginning Hebrew.** I. MM. 1st Term. 8:30 and 2:00; D 15
Books of Samuel. 4. MM. 2d Term. 8:30 and 2:00; D 15

PROFESSOR HIRSCH.

- Targum.** 1st Term. 67. M. 9:30; D 13
Talmud (Jerusalemic). 59. DM. 10:30; D 13
Arabic: Thousand and One Nights. 90. DM. 10:30; D 13

ASSOCIATE PROFESSOR PRICE.

- The Psalter.** 26. DM. 3:00; D 15
History, Principles, and Methods of Old Testament Interpretation. (Seminar.) 46. DM. 4:00; D 15
Jeremiah (in English). 37b. M. 2d Term. 2:00; D 11

ASSOCIATE PROFESSOR GOODSPEED.

- Exilic and Post-Exilic History of Israel.** 33. DM. 2:00; D 16
Islam. 92. DM. 3:00; D 16

ASSOCIATE PROFESSOR HARPER.

- Mesopotamian Life.** 54. M. 1st Term. 2:00; D 13
Mesopotamian Geography. 53. M. 2d Term. 2:00; D 13
Assyrian Letters. 78. DM. 3:00; D 13
Selected Assyrian Historical Inscriptions. 75b. DM. 4:00; D 13

DR. KENT.

- Books of Kings.** 6. M. 1st Term. 10:30; D 16
Isaiah i-xxxix. 11. M. 2d Term. 10:30; D 16

MR. BREASTED.

- Elementary Egyptian.** 106. DM. 11:30; D 15
History of Egypt. 118. DM. 10:30; D 15

XLII. NEW TESTAMENT LITERATURE AND INTERPRETATION.

D 12.

The Departments XLII and IX are identical. The courses offered in XLII are the same as those in IX.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Epistle to the Galatians. M. 2d Term. (31)
9:30

DR. ARNOLT.

New Testament Syntax: Noun, Pronoun, and
Prepositions. M. 2d Term. (3) 7:30

Paul's Epistles to the Thessalonians. M. 2d
Term. (30) 8:30

New Testament Quotations from the Old Testa-
ment. Part II. The Epistles. M. 1st Term.
(41) 7:30

Prerequisites: Courses 1 (or 2), 25 (or 27)
and a knowledge of Hebrew.

Autumn Quarter.

HEAD PROFESSOR BURTON.

†Life of Paul and Introduction to Pauline Epistles.
DM. (20) 9:30

Prerequisite: Course 1 or 2.

ASSOCIATE PROFESSOR MATHEWS.

†History of New Testament Times in Palestine.
DM. (10) 9:30-11:30

DR. ARNOLT.

Josephus. M. 1st Term. (49) 8:30

Winter Quarter.

HEAD PROFESSOR BURTON. (D 15)

†New Testament Greek. DM. (1) 11:30
Epistle to the Romans. DM. (33) 10:30

Prerequisites: Courses 1 (or 2), 25 (or 27), and 20.

Epistle to the Galatians. M. 2d Term. (31).

ASSOCIATE PROFESSOR MATHEWS. (D 15)

†Gospel of Luke: a Study in Historical Criticism
and Interpretation. A Seminar. DM. (27) 4:00

Historical Study of the Life of Christ. DM. (12)
See also under XLIII.

DR. ARNOLT. (D 16)

Septuagint. Rapid reading of selected portions.
DM. (44) 8:30

Textual Criticism of the New Testament. DM. (8)
9:30

Spring Quarter.

HEAD PROFESSOR BURTON.

Introduction to the Synoptic Gospels. 18. DM.
See also under XLIII. 3:00; D 11

ASSOCIATE PROFESSOR MATHEWS.

The Formation of the New Testament Canon and
its History in the Ante-Nicene Period. 57.
DM. 10:30; D 2

DR. ARNOLT.

Christian Literature to Eusebius. 55. DM.
8:30; D 16

Introduction to the Epistle to the Hebrews, the
General Epistles, and the Revelation. 21. DM.
9:30; D 16

MR. VOTAW.

†Rapid Translation and Interpretation of Paul's
Epistles. 4. DM. 11:30; D 16

†Students in the Graduate Divinity School are required to
take Courses 1 (or 2) and 10 in the first year, and in addition one
of the following: 4, 20, 27, 13 (History of the Apostolic Church,
Professor Mathews), and 25 (Gospel of Matthew, Head Professor
Burton) within the first two years.

XLIII. BIBLICAL THEOLOGY.

D 11-16.

A. OLD TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR HARPER.

The Minor Prophets. DM. (A. 24) 7:30

ASSOCIATE PROFESSOR PRICE. (D 15)

Special Introduction to the Prophetic Books. DM.
(A. 38) 3:00

Winter Quarter.

HEAD PROFESSOR HARPER. (D 15)

Form and Contents of Early Old Testament Tradi-
tions. DM. (A. 47) 7:30

ASSOCIATE PROFESSOR PRICE.

Messianic Prophecy. DM. (A. 40) 3:00

Spring Quarter.

HEAD PROFESSOR HARPER.

Old Testament Institutions and Laws. A. 48. DM
7:30; D 15

B. NEW TESTAMENT.

Autumn Quarter.

HEAD PROFESSOR BURTON.

Theology of the Synoptic Gospels. A Seminar.
DM. (B. 1) 10:30
Prerequisites: XLII. 1 or 2; and 25 or 27.

Spring Quarter.

HEAD PROFESSOR BURTON.

Theology of the Epistle to the Romans. A Seminar. B. 6. DM. 4:00; D 11
Prerequisite: XLII. 33.

ASSOCIATE PROFESSOR MATHEWS.

Sociological Ideas of the Gospels Exegetically Investigated. B. 3. DM. or DMM. 11:30 and 2:00; D 2
Prerequisite: XLII. 1 or 2; and 25 or 27.

XLIV. SYSTEMATIC THEOLOGY.

D 2-7.

Winter Quarter.

HEAD PROFESSOR NORTHRUP. (D 2)

Soteriology. DM. (4) 11:30
Prerequisites: Theology Proper and Anthropology.
Required of students who have been two years in the School.

Seminar in Christology. DMM. (8a)
Tuesdays and Thursdays, 3:00-5:00

Spring Quarter.

HEAD PROFESSOR NORTHRUP.

Seminar in Christology. 8b. DMM.
Tuesdays and Thursdays, 3:00-5:00; D 2

ASSOCIATE PROFESSOR FOSTER.

Apologetics. I. DM. 9:30; D 2
Required of First Year Students.

XLV. CHURCH HISTORY.

D 2-7.

Autumn Quarter.

HEAD PROFESSOR HULBERT.

The Early Church from Constantine to Theodosius.
DM. (2) 8:30
The Pilgrim Fathers and Plymouth Colony. DM. (32) 9:30

ASSOCIATE PROFESSOR JOHNSON.

Prior to Constantine, A.D. 30-311. DM. (1) 10:30

ASSISTANT PROFESSOR MONCRIEF.

Preparation in England and Bohemia for the Reformation. DM. (9) 10:30

The French Reformation. DM. (15) 11:30

Winter Quarter

HEAD PROFESSOR HULBERT. (D 6)

The Puritan Fathers and the New England Theocracy. DM. (33) 9:30

ASSOCIATE PROFESSOR JOHNSON. (D 11)

The German Reformation. DM. (11) 11:30

ASSISTANT PROFESSOR MONCRIEF. (D 6)

Forerunners of the Reformation in Italy. DM. (10) 10:30

Spring Quarter.

HEAD PROFESSOR HULBERT.

The Struggle for Religious Liberty in Virginia. 34.
M. 1st Term. 9:30; D 6

ASSOCIATE PROFESSOR JOHNSON.

The Swiss Reformation. 13. DM. 10:30; D 11

ASSISTANT PROFESSOR MONCRIEF.

History of the Church from Charles the Great to Boniface VIII. 4. DM. 10:30; D 6

XLVI. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

D. 2-7.

Autumn Quarter.

HEAD PROFESSOR ANDERSON.

Plans and Sermons. M. (1) 2:00
Homiletics. DM. (2) 3:00

ASSOCIATE PROFESSOR HENDERSON.

Pastoral Duties. M. 2d Term. (5) 3:00

Winter Quarter.

HEAD PROFESSOR ANDERSON. (D 7)

Plans and Sermons. M. (1) 2:00
Required as a weekly exercise of all students in the Graduate Divinity School.

History of Preaching. DM. (3) 3:00

Church Polity. M. 1st Term. (4) 4:00

Spring Quarter.

HEAD PROFESSOR ANDERSON.

Masterpieces of Pulpit Eloquence. 6. DM. 3:00; D 7

VI. SOCIOLOGY.

C 11.

Autumn Quarter.

ASSOCIATE PROFESSOR HENDERSON.

Organizations for Promoting Social Welfare. DM.
Seminar. (14) Tuesday, 4:00-6:00

The Family. M. 1st Term. (18) 2:00

Voluntary Associations. M. 2d Term. (19) 3:00

Social Institutions of Organized Christianity. M.
2d Term. (15) 2:00

Winter Quarter.

ASSOCIATE PROFESSOR HENDERSON.

Organizations for Promoting Social Welfare. DM.
Seminar. (14) Tuesday, 4:00-6:00

Economical and Governmental Agencies for Advancing General Welfare. M. 1st Term. (32) 2:00

Social Conditions in American Rural Life. M. 1st
Term. (31) 3:00

Social Treatment of Dependents and Defectives.

M (or MM). 2d Term. (16) 2:00

Modern Cities and Coöperation of their Beneficent Forces. M. 2d Term. (33) 3:00

XXVIII. ELOCUTION.

K. (Theatre)

Autumn Quarter.

MR. CLARK.

Advanced Elocution. 3 hrs. a week. M. (2)
Tuesday, Wednesday, and Friday, 11:30

Spring Quarter.

MR. CLARK.

Reading Aloud. 3 hrs. a week. 4. M.
Monday, Wednesday, and Friday, 4:00

Dramatic Reading. 5. M.
Monday, Wednesday, and Friday at 3:00

THE ENGLISH THEOLOGICAL SEMINARY.

XVI. BIBLICAL LITERATURE IN ENGLISH.

D 10-12.

Courses in this department in the Graduate School
and the Colleges, are open to students in the Divinity
School.

A. OLD TESTAMENT.

Autumn Quarter.

ASSOCIATE PROFESSOR PRICE.

The Minor Prophets. DM. (A. 17) 4:00

DR. KENT.

Outline of Hebrew History. DM. (A. 29) 11:30

Winter Quarter.

DR. KENT.

The Minor Prophets of the Assyrian Period.
M. 1st Term. (A. 18) 2:00

Isaiah, I-XXXIX. M. 2d Term. (A. 12) 2:00

Spring Quarter.

ASSOCIATE PROFESSOR PRICE.

The Book of Jeremiah. A. 37 b. M. 2d Term.
2:00; D 11

ASSOCIATE PROFESSOR HARPER.

Mesopotamian Life. 54. M. 1st Term.
2:00; D 13

Mesopotamian Geography. 53 M. 2d Term.
2:00; D 13

B. NEW TESTAMENT.

Summer Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Second Group of the Epistles of the Apostle Paul. M. 2d Term. (B. 15) 8:30

MR. VOTAW.

The Gospel of John. M. 1st Term. (B. 10) 9:30

Autumn Quarter.

MR. VOTAW.

The Founding of the Christian Church. DM.
(B. 4) 11:30

The Teaching of Jesus. DM. (B. 21) 10:20

Winter Quarter.

ASSOCIATE PROFESSOR MATHEWS.

The Gospel of Matthew. DM. (B. 7) 9:30

THE QUARTERLY CALENDAR.

XLIV. SYSTEMATIC THEOLOGY.

Autumn Quarter.

ASSOCIATE PROFESSOR JOHNSON. (D 11)
Soteriology. DM. (21) 11:30

XLV. CHURCH HISTORY.

Winter Quarter.

ASSOCIATE PROFESSOR JOHNSON. (D 11)
Prior to Constantine. DM. (1) 10:30

ASSISTANT PROFESSOR MONCRIEF. (D 6)
The Great Reformers. DM. (16a) 11:30

Spring Quarter.

HEAD PROFESSOR HULBERT.
From Constantine to Theodosius. 3. M. 1st Term. 8:30; D 6

XLVI. HOMILETICS, CHURCH POLITY, AND PASTORAL DUTIES.

Autumn Quarter.

ASSOCIATE PROFESSOR JOHNSON. (D 11)
Homiletics. DM. (6a) 3:00

Spring Quarter.

HEAD PROFESSOR ANDERSON.

Church Polity and Pastoral Duties. 4a. DM. 4:00; D 7

ASSOCIATE PROFESSOR JOHNSON.

Sermons and Sermon-Plans. 7. M. 9:30; D 11

VI. SOCIOLOGY.

C 11.

Autumn Quarter.

ASSOCIATE PROFESSOR HENDERSON.

The Family. M. 1st Term (18) 2:00

Social Institutions of Organized Christianity.
M. 2d Term. (15) 2:00

Winter Quarter.

ASSOCIATE PROFESSOR HENDERSON.

Social Conditions in American Rural Life.
M. 1st Term. (31) 3:00

Social Treatment of Dependents and Defectives.
M. 2d Term. (16) 2:00

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

L. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION. (DAN.-NOR.)

Autumn Quarter.

ASSISTANT PROFESSOR GUNDERSEN.
Biblical Hermeneutics. DM. (10) 10:00
Introduction to the Greek of the New Testament.
DM. (11) 11:00

Winter Quarter.

ASSISTANT PROFESSOR GUNDERSEN.
Sacred Geography and Biblical Antiquities. DM. (4) 10:00
The Gospel of Matthew. M. 1st Term. (9) 11:00
The Epistle to the Galatians. M. 2d Term. (5) 11:00

Spring Quarter. Revised.

ASSISTANT PROFESSOR GUNDERSEN.
Particular Introduction. 2. M. 1st Term. 10:00
The Epistle to the Ephesians. 8. M. 1st Term. 11:00

LI. SYSTEMATIC THEOLOGY. (DAN.-NOR.)

Autumn Quarter.

PROFESSOR JENSEN.

Introduction to the Science of Christian Theology.
M. 1st Term. (1) 2:00

Antecedents of Redemption. M. 1st Term. (2) 3:00

Redemption Itself. M. 2d Term. (3) 2:00

Consequents of Redemption. M. 2d Term. (4) 3:00

Spring Quarter.

MR. BROHOLM.

Pastoral Duties. 6. M. 1st Term. 2:00

LII. HOMILETICS AND PASTORAL DUTIES. (DAN.-NOR.)

Winter Quarter.

MR. BROHOLM.

Theory of Preaching. M. 1st Term. (1) 2:00

Sermonizing and Preaching. M. 2d Term. (2) 2:00

LIII. CHURCH HISTORY. (DAN.-NOR.)

Winter Quarter.

MR. BROHOLM.

The Early Church. M. 1st Term. (1) 4:00

The Mediæval Church. M. 2d Term. (2) 4:00

Spring Quarter.

MR. BROHOLM.

The Modern Church. 3. M. 1st Term. 4:00

THE SWEDISH THEOLOGICAL SEMINARY.

LV. OLD AND NEW TESTAMENT LITERATURE AND
INTERPRETATION. (SWEDISH)*Autumn Quarter.*

ASSISTANT PROFESSOR MORTEN.

The Gospel of John. M. 1st Term. (1) 10:00

Sacred Geography and Antiquities. M. 1st Term.
(2) 11:00

Biblical Introduction. MM. 2d Term. (3) 10:00

Spring Quarter.

ASSISTANT PROFESSOR MORTEN.

Hermeneutics. 4. M. 1st Term. 10:00

The Bible a Revelation from God. M. 2d Term. (2)

3:00

Symbolics. M. 1st Term. (6) 4:00

Christian Ethics. M. 2d Term. (7) 4:00

Spring Quarter.

PROFESSOR LAGERGREN.

The Doctrine of God. 3. M. 1st Term. 3:00

Pastoral Duties. 8. M. 1st Term. 4:00

LVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES.
(SWEDISH)*Autumn Quarter.*

PROFESSOR LAGERGREN.

The Doctrine of Redemption and Salvation.
MM. 1st Term. (4) 3:00The Doctrine of the Church and the Last Things.
MM. 2d Term. (5) 3:00*Winter Quarter.*

PROFESSOR LAGERGREN.

Introduction to the Christian Theology. MM. 1st
Term. (1) 2:00

LVII. CHURCH HISTORY. (SWEDISH)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Modern Church History. DM. (2) 11:00

Spring Quarter.

ASSISTANT PROFESSOR SANDELL.

American Church History. I. M. 1st Term 11:00

LVIII. HOMILETICS. (SWEDISH)

Winter Quarter.

ASSISTANT PROFESSOR SANDELL.

Theoretical Homiletics. M. 1st Term. (1) 10:00

Practical Homiletics. M. 2d Term. (2) 10:00

TIME SCHEDULE.

SPRING QUARTER, 1895.

The Laboratory and Research Work of the Departments in the Ogden School of Science is only partially indicated in this time schedule.

Hours. A. M.	DIVINITY SCHOOL.	GRADUATE SCHOOL AND UNIVERSITY COLLEGES OF ARTS AND LITERATURE.	OGDEN (GRADUATE) SCHOOL AND UN- IVERSITY COLLEGE OF SCIENCE.	ACADEMIC COLLEGES.
7:30		Old Testament Institutions and Laws (W. R. Harper). Semitic Seminar (W. R. Harper). Saturday, 7:30-9:30.		
8:30	Church History from Con- stantine to Theodosius (Hulbert). 1st Term.	Experimental Psychology (Angell and McLennan). Economic and Social History (A. C. Miller). General Jurisprudence (Freund). Seminar: English History (Terry). Monday, 8:30-10:30. Social Anatomy (Small and Vincent). Beginning Hebrew (W. R. Harper and Crandall). 1st Term. Hebrew: Books of Samuel (W. R. Harper and Crandall). 2d Term. Enschibus (Arnolt). Christian Literature to (Arnolt). Tacitus and Suetonius (Chandler). Elements of French Literature (Bergeron). Modern French Seminar (Bergeron). Monday, 8:30-10:30. Historical French Grammar (Poyen-Bellisle). English Literature of 19th Century, (Triggs).	Algebraic Surfaces (Maschke). Differential Equations (Boyd). Theoretical Chemistry (Lengfeld). Tuesday and Friday. Aromatic Series (Curtiss). Monday and Thursday. Special Bacteriology (Jordan). Neurology (Donaldson). Thursday. Seminar: Neurology (Donaldson). Fri. Research in the Osteology of Living and Extinct Vertebrates (Baur). Daily, 8:30-12:30; 2:00-4:00 Elementary Botany (Clarke). 1st Term. Human Osteology (Baur). 1st Term. Wednesday and Friday. Labor. Work, Saturday, 8:30-10:30.	History: Medieval Period, B. (Conger). Herodotus (Owen). Cicero; Livy, etc. (Moore). Ovid, Horace, etc. (Walker). Elementary German (Schmidt-Warten- berg). German, Intermed. Course (Wood). English Composition (Lewis). Required Mathem. 2a (Hancock). General Physics (Stratton). Elementary Botany (Clarke). Elocution (Clark) 1a Mon., 1d Sat.
9:30	Apologetics (Foerster). Particular Introduction (Gundersen). 1st Term. Church History (Hulbert). 1st Term. Plans and Sermons (Johnson).	Morbid Psychology (Strong). Introduction to Philosophy: Ethics (Mead). Financial History of United States (Miller). Comparative Politics (Judson). History of the United States (Shepardson). Economy of Living (Talbot). Targum (Hirsch). 1st Term. New Testament Introduction, iii. (Arnolt). Roman Satire (Miller). Italian Philology (Poyen-Bellisle). Outline History of German Literature (von Klenze). Studies in Björnson and Ibsen (Dahl). Chaucer (Tolman). English Literature Criticism (Carpenter).	Analytic Mechanics (Maschke). Culture Calculus (Young). Research Methods (Wadsworth). Mon. to Thurs. Descriptive Mineralogy (Iddings). 1st Term. Determinative Mineralogy (Farring- ton). 2d Term. Embryology (Wheeler). 9:30-12:30. General Bacteriology (Jordan). Original Investigation in Physiology (Loeb). Botany: Lectures (Coulter). Saturday. Elementary Botany (Clarke).	History: Medieval Period, A. (Thatcher). History: Modern Period, B. (Conger). Lysias and Isocrates (Owen). Cicero (Chandler). Terence; Tacitus. Sec. 2 (Moore). Horace; Rom. Lit. Sec. 2 (Walker). Elementary French (Bergeron). Culture Calculus (Young). Required Mathem. 2b (Hancock). Physics: Laboratory Practice. Sec. A. (Wadsworth). Elementary Botany (Clarke). Elocution (Clark) 1b Mon., 1c Sat.
10:30	Books of Kings (Kent). 1st Term. Isaiah, 1-39 (Kent). 2d Term. New Testament Canon (Mathews). Swiss Reformation (Johnson). Church History from Charles the Great to Boniface viii. (Moncrief). Epistle to Ephesians (Gundersen). 1st Term. Hermeneutics (Mortzen). 1st Term.	Movements of Thought in 18th and 19th Centuries (Tufts). Philosophy of Concepts of Matter (Mead). Railway Transportation (Closson). Social Life in the American Colonies (Shepardson). Greek Life Studied from the Monuments (Tarbell). General Hygiene (Talbot). Labor Legislation (Bemis). Talmud, Jerusalemite (Hirsch). History of Egypt (Breasted). Sanskrit (Buck). 1st Term. Lithuanian (Buck). 2d Term. Advanced French Syntax (Bergeron). Literary Interpretation (Moulton). English Literary Seminar (Crou). Thursday, 10:30-12:30. Books of Kings (Kent). 1st Term. Isaiah, 1-39 (Kent). 2d Term.	Theory of Equations (Young). Analytics and Calculus, Section 4b (Boyd). General Astronomy (See). General Physics, Advanced (Michelson). Tuesday and Wednesday. General Physics, Advanced (Stratton). Tuesday and Thursday. Theory of Reduction of Observations (Wadsworth). Geologic Life Development (Chamberlain). Special Paleont. Geology (Quereau). Anat. and Physiology of Cell (Watan). General Physiology (Loeb). Botany: Laboratory Work (Coulter). Saturday, 10:30-12:30.	History: Modern Period, A. (Catterall). Horace; Roman Lit. Sec. 1 (Moore). Terence, Tacitus. Sec. 1 (Miller). Modern German Prose (von Klenze). English Literature (Tolman). Analytics and Calculus, Sec. 4b (Boyd). Physics: Laboratory Practice, Sec. A. (Wadsworth). Elocution (Clark) 1c Mon., 1d Sat.

11:30	Sociological ideas of the Gospels (<i>Mathews</i>). Epistles of Paul (<i>Volz</i>). American Church History (<i>Sundell</i>). 1st Term.	Unsettled Problems of Economic Theory (<i>Laughlin</i>). Administrative Law (<i>Freund</i>). Geography of Europe (<i>Conger</i>). Civil Government in United States (<i>Mosley</i>). French Revolution (<i>Catherall</i>). Trades Unionism and Cooperation (<i>Bemis</i>). Prehistoric Archaeology (<i>Starr</i>). Arabic: Thousand and One Nights (<i>Hirsch</i>). Elementary Egyptian (<i>Breasted</i>). Paul's Epistles (<i>Volz</i>). Avestan (<i>Buck</i>). Thucydides, Sicilian Expedition (<i>Tarbell</i>). Catullus and Horace (<i>W. G. Hale</i>). American Literature (<i>Triggs</i>).	Analytics and Calculus, Sec. 4a (<i>Boyd</i>). Calculus of Variations (<i>Hancock</i>). Interference Methods (<i>Michelson</i>). Special Graduate Course (<i>Michelson</i>). Thursday and Friday. Organic Chemistry (<i>Nef</i>). Thurs.-Sat. 1st Term. General Inorganic Chemistry (<i>Smith</i>). Petrography (<i>Iddings</i>). Paleontologic Geology (<i>Queveau</i>). Comparative Osteology and Phylogeny of Vertebrates (<i>Baur</i>).	Geography of Europe (<i>Conger</i>). Elementary French (<i>Bergeron</i>). Elementary French (<i>Poyen-Bellisle</i>). Analytics and Calculus, Sec. 4a (<i>Boyd</i>). Required Mathem. 2c (<i>Rothrock</i>). Physics: Labor. Practice (<i>Wadsworth</i>). Gen. Inorg. Chemistry (<i>Smith</i>).
P. M. 12:30 to 1:00	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.	CHAPEL EXERCISE.
2:00	Jeremiah, in English (<i>Price</i>). 2d Term. Mesopotamian Life (<i>R. F. Harper</i>). 1st Term. Mesopotamian Geography (<i>R. F. Harper</i>). 2d Term. Pastoral Duties (<i>Broholm</i>)	Psychology (<i>Strong</i>). American Agriculture (<i>Veblen</i>). History of Israel (<i>Goodspeed</i>). Seminar: Social Dynamics (<i>Small</i>). Physical Anthropology, Labor. Work (<i>Starr</i>). Study of Society (<i>Vincent</i>). Jeremiah, in English (<i>Price</i>). 2d Term. Mesopotamian Life (<i>R. F. Harper</i>). 1st Term. Mesopotamian Geography (<i>R. F. Harper</i>). 2d Term. Nibelungenlied (<i>von Klenze</i>). Swedish Literature (<i>Dahl</i>). History of Old English Literature (<i>Blackburn</i>). English Language Seminar (<i>Blackburn</i>). Monday, 2:00-4:00 Sources of Shakespeare's Plays (<i>Crow</i>).	Elliptic Modular Functions (<i>Moore</i>). Monday and Thursday, 2:30-4:00. Groups (<i>Moore</i>) Tuesday and Friday, 2:30-4:00. Solar Physics (<i>Hale</i>). Theory of a Rotating Body (<i>Laves</i>). Research Course (<i>Michelson</i>). Monday-Friday, 2:00-6:00 Special Graduate Course (<i>Michelson</i>). Labor. Work, Mon.-Fri. 2:00-6:00 Physics: Labor. Practice (<i>Stratton</i>). Monday-Saturday, 2:00-5:00. Electrical Measurements (<i>Stratton</i>). Monday-Saturday, 2:00-5:00. General Inorganic Chemistry (<i>Smith</i>). Labor. Work, Mon. & Tues., 2:00-5:00. Anatomy (<i>Eycleshymer</i>). Thursday and Friday, 2:00-5:00. Advanced Physiology (<i>Loeb</i>). Physiology, Laboratory Work (<i>Lingle</i>). Mon.-Wed., 2:00-5:00. Laboratory Work in Compar. Osteology (<i>Baur</i>). 2:00-4:00.	Rhetoric and English Composition (<i>Herrick, Lovett, and Lewis</i>). 1A, 2:00; 1B, Tues., and 1C, Thurs., 1:30. Jeremiah (<i>Price</i>). 2d Term. Mesopotamian Life (<i>R. F. Harper</i>). 1st Term. Mesopotamian Geography (<i>R. F. Harper</i>). 2d Term. Chemistry 1 and 3. } (<i>Smith</i>). Laboratory Work } Physics: Labor. Practice, Sec. B. (<i>Wadsworth</i>). 1:30-3:30.
3:00	Introduction to Synoptic Gospels (<i>Burton</i>). Seminar in Christology (<i>Northrup</i>). Tuesdays and Thursdays. Masterpieces of Pulpit Eloquence (<i>Anderson</i>). Doctrine of God (<i>Lagergren</i>). 1st Term. Dramatic Reading (<i>Clark</i>). Mon., Wed., Fri.	Economic Seminar (<i>Laughlin</i>). Oral Debates (<i>Closson</i>). History of Europe in the 19th Century (<i>von Holst</i>). Problems of Social Statics (<i>Small</i>). Seminar in Sanitary Science (<i>Talbot</i>). Applied Anthropology (<i>West</i>). Social Aspects of Taxation (<i>Mac West</i>). Islam (<i>Goodspeed</i>). The Psalter (<i>Price</i>). Assyrian Letters (<i>R. F. Harper</i>). Synoptic Gospels (<i>Burton</i>). Pindar, Olympian Odes (<i>Shorey</i>). Seminar 3 (<i>W. G. Hale</i>). Tues. 3:00-5:00. Germanic Seminar. Fortnightly, Mon. 3:00-5:00. Old English (<i>Blackburn</i>). Advanced English Composition (<i>Herrick</i>). Dramatic Reading (<i>Clark</i>).	Elliptic Modular Functions (<i>Moore</i>). Groups (<i>Moore</i>). Special Perturbations (<i>Laves</i>). Astronomical Seminar (<i>See and Laves</i>). Fortnightly, Saturdays. Archaeologic Geology (<i>Holmes</i>). Friday, 2:30. Neurology, Lectures (<i>Meyer</i>). Friday, 3:00-5:00. Seminar in Phylogeny (<i>Baur</i>).	Elementary German (<i>Schmidt-Wartenberg</i>). Chemistry 1 and 3. } (<i>Smith</i>). Laboratory Work } Dramatic Reading (<i>Clark</i>). Monday, Wednesday, Friday.
4:00	Seminar: Theology of Epistle to the Romans (<i>Burton</i>). Seminar in Christology (<i>Northrup</i>). Tues. and Thurs. Church Polity and Pastoral Duties (<i>Anderson</i>). Modern Church History (<i>Broholm</i>). 1st Term. Pastoral Duties (<i>Lagergren</i>). 1st Term. Elocution (<i>Clark</i>). Monday, Wednesday, Friday.	Seminar: English Philosophy } Monday, 4:00-6:00 Philosophical German } (<i>Tyfts</i>). Seminar in Finance (<i>A. C. Miller</i>). Social Economics (<i>Closson</i>). Seminar: History (<i>von Holst</i>). Monday, 4:00-6:00 Feudal Period (<i>Terry</i>). History of Rome to the Antonines (<i>Goodspeed</i>). Religions of China and Japan (<i>Buckley</i>). Old Testament Interpretation (<i>Price</i>). Assyrian Historical Inscriptions (<i>R. F. Harper</i>). Modern French Seminar (<i>Bergeron</i>). Wednesday 4:00-6:00. Comp. Gothic Grammar (<i>Schmidt-Wartenberg</i>). Reading aloud (<i>Clark</i>).	Mathematical Seminar. Fortnightly, Saturday 4:30. Chemical Journal Meetings, Friday, 4:30. Geographic Geology (<i>Holmes</i>). Friday, 2:30. Embryology (<i>Whitman</i>).	Chemistry 1 and 3. } (<i>Smith</i>). Laboratory Work } Elocution (<i>Clark</i>). Monday, Wednesday, Friday.
5:00	History of Ancient Greece, iii. (<i>Wirth</i>).			

ROOM SCHEDULE, COBB LECTURE HALL.

SPRING QUARTER, 1895.

NOTE.—B C and D indicate the Second, Third and Fourth Floors of Cobb Lecture Hall. The numerals after the name of the Instructor indicate the number of Department and Course. Numbers in **bold-face** type are Academic College Courses.

Room	8:30	9:30	10:30	11:30	2:00	3:00	4:00
B. 2	Owen (xl 17)	Owen (xl 4)	Tarbell (v 3)	Tarbell (xl 10)	Shorey (xi 21)	W. G. Hale (xli 26) Shorey (xi 36) Wednesday	Tuesday 3:00-4:00 Wednesday 3:00-4:00
3			Buck (x 6 & x 12)	Buck (x 10)			
5	Chandler (xli 18)	Chandler (xli 8)					
6		Miller (xli 24)	Miller (xli 6d)				
7	Walker (xli 3)	Walker (xli 6d)					
8	Moore (xli 4e)	Moore (xli 3e)	Moore (xli 6c)	W. G. Hale (xli 12)			
9	Wood (xlv 30)	Hancock (xvii 2b)	von Klenze (xlv 38)		Dahl (xiv 21a)	Wartenberg (xiv 29)	Wartenberg (xiv 15)
10	Wartenberg (xlv 29)	von Klenze (xiv 23)		Rothrock (xvii 2c)	von Klenze (xiv 4)		
12	Poyen (xlii 15)	Poyen (xlii 33)		Poyen (xlii 2)			
14		Dahl (xiv 21)					
16	Bergeron (xlii 6)	Bergeron (xlii 1)	Bergeron (xlii 40)	Bergeron (xlii 3)	Crow (xv 40)		Bergeron: Wedn. 4:00-6:00 (xlii 12)
C. 3	A. C. Miller (ii 2)	A. C. Miller (ii 14)	Closson (ii 12)	Laughlin (ii 4)	Veblen (ii 16)	Laughlin (ii 21)	Closson (ii 8)
7	Terry (iv 51) Monday 8:30-10:30	Shepardson (iv 6)				Closson (ii 19)	
8	Small & Vincent (vi 23)	Thatcher (iv 1a)	Catterall (iv 2a)	Catterall (iv 5)	Vincent (vi 36)	Max West (vi 48)	von Holst (iv 54) Monday 4:00-6:00; Terry (iv 30)
9	Conger (iv 1b)	Conger (iv 2b)	Shepardson (iv 44)	Freund (iii 52)		von Holst (iv 41)	Wirth (iv 28) at 5:00
10	Freund (iii 42)	Judson (iii 13)	Bemis (vi 21)	Bemis (vi 20)	Small (vi 28)	Small (vi 27)	
11		Talbot (vi 13)	Talbot (vi 39)	Moaley (iii 1)		Talbot (vi 10)	
13		Mead (i 13)	Mead (i 11)	Conger (iii 71)			
14	Hancock (xvii 2a)	Crow (xv 36)	Crow (xv 26)				
17		Strong (i 24)	Tufts (i 4a)	Strong (i 25)			Tufts (i 6 & 7) Tue. 4:00-6:00
D. 1	Lewis (xv 2)	Herrick	appointments in	writing (xv 8A)		Herrick (xv 5)	
2		Foster (xlii 1)	Mathews (ix 57)	Mathews (xlii 5)		Northrup (xlii 8b)	Tuesday and Thursday 3:00-5:00
6	Hulbert (xlv 3) 1. Term	Hulbert (xlv 34) 1. Term	Moncrief (xlv 4)				
7						Anderson (xlii 6)	Anderson (xlii 4a)
8	Triggs (xv 49)	Tolman (xv 45)	Tolman (xv 10)	Triggs (xv 22)	Herrick, Lovett (xv 1)		
9		Carpenter (xv 69)	Moulton (xv 62)		Blackburn (xv 56) (xv 28) Monday	Blackburn (xv 25)	
11		Johnson (xlii 7)	Johnson (xlv 13)		Price (viii 37b)	Burton (ix 18)	Burton (xlii 2)
13		Hirsch (viii 67) 1. Term	Hirsch (viii 69)	Hirsch (viii 90)	R. F. Harper (viii 65-64)	R. F. Harper (viii 78)	R. F. Harper (viii 76b)
15	W. R. Harper & Crandall (viii 1 & 4) W. R. Harper (viii 48 & 102) at 7:30	Young (xvii 5)	Bronsted (viii 16)	Bronsted (viii 66)	W. R. Harper & Crandall (viii 1 & 4)	Price (viii 25)	Price (viii 46)
16		Arnold (ix 24)	Rout (xlii 9 & 11)	Young (ix 4)	Goodspeed (viii 101 & 102)	Goodspeed (viii 96)	Goodspeed (iv 30)

The Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the QUARTERLY CALENDAR brief abstracts of papers read at the meeting of the Union, the Philological Society, and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1) Date of regular meeting of the Club, and (2) List of officers elected for the current year. It shall also be the Secretary's duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office.

OFFICERS OF THE UNIVERSITY CLUBS.

THE UNIVERSITY UNION.

President—C. H. Gordon, of the Geological Club.

Vice President—C. D. Case, of the Church History Club.

Secretary and Treasurer—E. M. Heim, of the Political Science and History Club.

Meets on the last Friday of the first term of each Quarter, at 8:00 P.M., in *Theatre, Kent Chemical Laboratory*.

THE PHILOLOGICAL SOCIETY.

President—Assistant Professor F. A. Blackburn.

Vice President—Assistant Professor H. Schmidt Wartenberg.

Secretary and Treasurer—Assistant Professor F. J. Miller.

Programme Committee—The President, Vice President, and the Secretary, with F. A. Wood and Theo. L. Neff, of the Graduate School.

The Society meets in *Room B 8, Cobb Lecture Hall*, on the third Friday of each Term, 8:00 P.M.

THE DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

President—Head Professor C. O. Whitman.

Vice President—Professor H. H. Donaldson.

Secretary and Treasurer—H. S. Brode, who also represents the Club in the University Union.

Meets fortnightly, Wednesdays at 4:00 P.M., in *Kent Chemical Laboratory*.

THE CLASSICAL CLUB.

President—Head Professor W. G. Hale.

Vice President—Professor Paul Shorey.

Secretary—Emma L. Gilbert.

Delegate to the University Union—W. C. France.

Executive Committee—The President, Vice-President, and the Secretary, with C. K. Chase and H. L. Lovell, of the Graduate School.

Meets monthly.

THE CHEMICAL CLUB.

President—Professor J. U. Nef.

Delegate to the University Union—B. C. Hesse.

Meets every Friday at 8:00 P.M., in *Lecture Room Kent Chemical Laboratory*.

THE COMPARATIVE RELIGION CLUB.

President—F. J. Coffin.

Secretary—F. C. Sherman.

Meets monthly throughout the year.

THE CHURCH HISTORY CLUB.

President—C. D. Case.

Vice-President—W. H. Howard.

Secretary—J. H. Randall.

Delegate to the University Union—C. D. Case.

Meets fortnightly on Tuesday at 7:30 P.M., in the *Faculty Room*.

THE ENGLISH CLUB.

President—Associate Professor W. D. McClintock.

Secretary—Dr. Edwin H. Lewis.

Delegate to the University Union—Florence Wilkinson.

Programme Committee—The President, Secretary, and Delegate.

The meetings are to be held hereafter upon Tuesday

evening of the third, seventh, and eleventh weeks of each quarter, in *Cobb Lecture Hall, Room B 10*, at 8:00 P.M.

THE EXEGETICAL CLUB.

President—J. H. Grant.
 Secretary and Treasurer—A. R. E. Wyant.
 Delegate to the University Union—L. D. Osborn.
 Programme Committee—Professors Price,
 Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

THE FRENCH LITERATURE CLUB.

President—Assistant Professor E. Bergeron.
 Secretary—S. H. Ballou.
 Delegate to the University Union—T. J. Taylor.

Meets fortnightly on Fridays at 4:00 P.M., in B 16.

THE GEOLOGICAL CLUB.

President—Thomas C. Hopkins.
 Vice President—Lizzie K. Ford.
 Secretary—D. E. Willard.
 Delegate to the University Union—C. E. Gordon.

Meets fortnightly, Tuesdays at 4:00 P.M., in *Walker Museum*.

THE GERMANIC CLUB.

President—Associate Professor S. W. Cutting.
 Secretary—Paul Oscar Kern.
 Delegate to the University Union—F. A. Wood.

Meets fortnightly on Mondays at 3:00 P.M., in B 11.

THE LATIN CLUB.

President—Assistant Professor F. J. Miller.
 Secretary—Harry W. Stone.
 Delegate to the University Union—Henry G. Gale.

Meets monthly, 8:00 P.M., at 5410 Madison av.

THE MATHEMATICAL CLUB AND SEMINAR.

Conducted by the Instructors of the Mathematical Faculty. Meets fortnightly, Saturdays at 4:30 P.M., in *Ryerson Physical Laboratory, 35*.

Delegate to the University Union—William Gillespie.

THE NEW TESTAMENT JOURNAL AND ESSAY CLUB.

President—Associate Professor Shailer Mathews.
 Vice President—Head Professor E. D. Burton.
 Secretary—C. E. Woodruff.
 Delegate to the University Union—A. T. Watson.
 Meets fortnightly on Tuesdays at 8:00 P.M.

THE PHYSICS CLUB.

This Club has not yet organized; but will do so, as soon as the Department has moved into its new quarters.

THE POLITICAL ECONOMY CLUB.

Honorary President—Head Professor J. L. Laughlin.
 President—William Hill.
 Secretary and Treasurer—George Tunell.
 Delegate to the University Union—H. P. Willis.
 Executive Committee—The President, Secretary, Sarah M. Hardy, John W. Million, and Robert F. Hoxie.

Meets Thursdays at 7:30 P.M., in the *Faculty Room*.

THE POLITICAL SCIENCE AND HISTORY CLUB.

President—Charles T. Conger.
 Secretary and Treasurer—Regina K. Crandall.
 Delegate to the University Union—E. M. Heim.
 Executive Committee—The President and Secretary together with J. W. Fertig, J. W. Thompson, and Miss Scofield.
 Meets fortnightly on Wednesdays at 8:00 P.M., in the *Faculty Room*.

THE ROMANCE CLUB.

President—Mr. George C. Howland.
 Secretary—Susan R. Cutler.
 Delegate to the University Union—Theo. L. Neff.

THE SEMITIC CLUB.

President—Professor Emil G. Hirsch.
 Vice President—Associate Professor Ira M. Price.
 Secretary—Dean A. Walker.
 Delegate to University Union—George Ricker Berry.
 Meets fortnightly on Thursdays at 7:30 P.M.,

THE SOCIOLOGY CLUB.

President—Frederick W. Sanders.
 Vice President—C. H. Hastings.
 Secretary and Treasurer—Hannah B. Clark.
 Delegate to the University Union—I. W. Howerth.

Meets fortnightly on Tuesdays at 7:30 P.M., in the *Faculty Room*.

THE ORATORICAL ASSOCIATION.

President—William O. Wilson.
 Vice President—Victor O. Johnson.
 Secretary—Moses D. McIntyre.
 Treasurer—Phineas J. Yousephoff.
 Critic—Robert L. Hughes.

Meets fortnightly on Mondays at 7:30 P.M., in *Lecture Room, Cobb Lecture Hall*.

THE LITERARY SOCIETY OF THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

(*Morgan Park, Ill.*)

President—S. Kristoffersen.
 Vice President—H. P. Andersen.
 Secretary—O. Skotheim.
 Vice Secretary—H. J. Jacobsen.
 Programme Committee—H. P. Andersen, A. Andersen, and F. Holm.

Meets fortnightly on Mondays at 8:00 P.M., in D 9.

THE SWEDISH LITERARY SOCIETY.

(*Morgan Park, Ill.*)

President—John D. Nylin.
 Vice President—C. E. Nylin.
 Secretary—Carl O. Dahlen.

Meets Tuesdays at 7:30 P.M.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.**OFFICERS OF THE CHRISTIAN UNION.**

President—Associate Professor C. R. Henderson.
 Vice President—Edgar J. Goodspeed.
 Secretary and Treasurer—F. W. Woods.

The Executive Committee consists of C. R. Henderson, Chairman; Head Professor J. Laurence Laughlin, Miss Laura A. Jones, W. E. Chalmers, F. W. Woods, Miss Mary D. Maynard, together with the Presidents of the Young Men's Christian Association, the Young Women's Christian Association, the Missionary Society, and the Volunteer Band.

The Executive Committee holds regular meetings each month.

SUB-COMMITTEES.

Public Worship—E. G. Goodspeed.
 Bible Study—W. E. Chalmers.
 Social Life—Mary D. Maynard.
 Philanthropic Work—J. Laurence Laughlin, Chairman; M. L. Marot, Secretary and Treasurer; Mary E. McDowell, Head Resident of the University Settlement.

Meets every Friday, at 6:45 P.M., in *Lecture Room, Cobb Lecture Hall*.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

President—Miss A. Hamilton.

Meets every Thursday at 1:30 P.M., in *Lecture Room, Cobb Lecture Hall*.

Union Meetings of the two Associations are held on Sundays, at 6:45 P.M.

THE MISSIONARY SOCIETY

Of the Divinity School of the University of Chicago.

President—H. A. Fisk.
 Vice President—J. A. Herrick.
 Treasurer—J. Y. Aitchison.
 Secretary—W. A. Wilkin.

Meets fortnightly on Thursday evening, in *Chapel Cobb Lecture Hall*.

THE VOLUNTEER BAND

Of the University of Chicago.

Chairman—W. A. Wilkin.
 Secretary—Thora Thompson.

Meets Fridays at 5:00 P.M. in D 7.

OFFICERS OF THE RELATED SOCIETIES.**THE YOUNG MEN'S CHRISTIAN ASSOCIATION.**

President—A. T. Watson.

MUSIC.WARDNER WILLIAMS, *Assistant in Music.**Theatre, Kent Chemical Laboratory.*

ELEMENTARY MUSIC (sight reading). One hour a week. Tuesday at 5:00 P.M.

THE UNIVERSITY CHORUS (advanced). One hour and a quarter a week. Tuesday, at 7:15 P.M.

THE UNIVERSITY CHOIR. Five half hours a week. Monday-Friday, at 8:00 A.M.

THE UNIVERSITY ORCHESTRA. One hour and a half a week. Wednesday, at 7:30 P.M.

HARMONY. Two hours a week. Monday and Thursday, at 6:30 A.M.

THEORY OF MUSIC. Two hours a week. Tuesday and Friday, at 8:30 A.M.

THE HISTORY OF MUSIC. One hour a week. Wednesday, 8:30 A.M.

MUSICAL LECTURES AND RECITALS. Wednesdays, at 5:00 P.M.

THE EMPLOYMENT BUREAU.

There will be no further examination for Evening school certificates until September, 1895.

There will be an examination for High and Grammar school certificates about June 23, 1895.

Students who registered last year and received no work are continued on the enrollment of the Bureau. Others must re-register.

THE STUDENTS' FUND SOCIETY.

This Society makes loans upon the joint recommendation of its own Committee and a Committee of the Faculty. Students are not eligible for loans until they have been members of the University one Quarter, and have shown marked success in scholarship. Applications are considered by the Committee of the Faculty at the end of each Quarter, but in order that the necessary preliminary information may be secured all applications for loans to be granted in any Quarter must be handed in to *Head Professor J. L. Laughlin*, Chairman, by the first of December, March, June, and September for the respective Quarter following. Application blanks may be secured at the office of the Registrar.

The Officers of the Society are :

President—A. A. Sprague.

Vice President—Norman Williams.

Secretary—Charles H. Hamill.

Treasurer—Byron L. Smith.

The Officers of the Executive Committee are :

President—Mrs. H. M. Wilmarth.

Vice President—Mrs. George E. Adams.

Secretary—Mrs. Noble B. Judah.

The Board of Directors consists of seven gentlemen and twelve ladies.

The Committee of the Faculty is composed of :

Head Professor J. Laurence Laughlin, Chairman;
Dean Judson, Dean Talbot, Associate Professor
Stratton, and Assistant Professor F. J. Miller.

The University Extension Division.

NATHANIEL BUTLER, *Director.*

JANUARY 1, 1895.

NOTE.—The University Extension Division offers instruction according to three different methods: (1) by Lecture-studies with the usual features of syllabus, review, weekly exercise, and examination; (2) by Class-instruction in classes organized outside of the University, but within the limits of the City of Chicago, and meeting on Evenings and Saturdays; (3) by Correspondence.

The following is a list of the courses of instruction at present offered in the University Extension Division by each of these methods. This list will necessarily be modified as the demand for new courses arises.

For a complete account of the aims and methods of University Extension work consult the Circulars of Information issued by the University Extension Division.

The numbers of the Departments correspond with those in the University (proper).

THE LECTURE-STUDY DEPARTMENT.

CHARLES ZEUBLIN, *Secretary.*

I. PHILOSOPHY.

ASSOCIATE PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

II. POLITICAL ECONOMY.

MR. BROOKS.

Questions of Charity and the Unemployed.

Modern Socialism at Work.

The Great Attempts to Deal with the Labor Question.

III. POLITICAL SCIENCE.

MR. CONGER.

The Physical, Historical, and Political Geography of Europe.

The Great Commercial Critics of Antiquity.

MR. OGDEN.

Early English Institutions.

Genesis of Some American Institutions.

Virginia Statesmen of the Revolution.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.

The Ethnic Foundation of Modern Civilization.

Political Foundation of Modern Civilization.

Baron and King—the Evolution of a Typical European Monarchy.

PROFESSOR GORDY.

The History of Political Parties in the United States.

Representative American Statesmen.

ASSOCIATE PROFESSOR THATCHER.

The History of the Middle Ages.

Mohammed, Mohammedanism, and the Crusades.

ASSISTANT PROFESSOR GROSE.

The Political Development of the European Nation since 1792.

The Founding of the German Empire of Today.

Studies in the History of Europe from the French Revolution to the Present Time.

Character Studies in Nineteenth Century History.

DR. SHEPARDSON

Social Life in the American Colonies.

American Statesmen and Great Historic Movements.

DR. WIRTH.

Neueste Geschichte von Afrika.

Gegenwärtige Zustände im Orient.

Herodot—der erste Geschichtsschreiber des Altertums.

MR. HUNTER.

Roman, Barbarian, and Christian.

MR. WEBSTER.

The Making and Makers of Our Republic.
Six American Statesmen.

MR. WISHART.

Monks and Monasteries.

VI. SOCIOLOGY AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.
Die Grundzüge der Sociologie.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.
Questions of Monopoly and Taxation.
Some Social and Industrial Forces in American History.

ASSOCIATE PROFESSOR HENDERSON.

Charities and Corrections.
The Family—a Sociological Study.

ASSISTANT PROFESSOR STARR.

Some First Steps in Human Progress.
The Native Races of North America.
Early Man in Europe.
Evolution.

MR. ZEUBLIN.

A Century of Social Reform.
Social Reform in Fiction.

MR. GENTLES.

First Aid to the Injured.

MR. FULCOMER.

Some Leaders in Sociology.
Utopias.

MR. RAYMOND.

Social Aspects of the Labor Movement.

DR. MAX WEST.

The New Philanthropy.

DR. GERALD WEST.

Lectures on Man.
The Aryans.

MR. HOWERTH.

Some Social Experiments.

VII. COMPARATIVE RELIGION.

MR. BUCKLEY.

Shinto, the Ethnic Faith of Japan.
The Science of Religion.

VIII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

XI AND XII. THE GREEK AND LATIN LANGUAGES AND LITERATURES.

PROFESSOR SHOREY.

Six Readings from Horace.
Homer, the Iliad.
Studies in the Greek Drama.

ASSISTANT PROFESSOR CASTLE.

The Decline and Fall of Greece.

ASSISTANT PROFESSOR MILLER.

Virgil.

XIII. ROMANCE LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR BERGERON.

French Literature.
Littérature Française.

MR. HOWLAND.

The Italian Poets.
Six Italian Prose Writers.

MR. DE POYEN-BELLISLE.

L'Evolution du Théâtre en France.

XV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.
The Tragedies of Shakespeare.
Ancient Tragedy for English Audiences.
Stories as a Mode of Thinking.
Spenser's Legend of Temperance.
Literary Criticism and Theory of Interpretation.
Shakespeare's "Tempest," with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.
Some Studies in American Literature.

ASSOCIATE PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.
 English Romantic Poets from 1780 to 1830.
 Lectures on Fiction.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

MR. CLARK.

Poetry as a Fine Art.

MR. HERRICK.

The Creation of the English Novel.
 The Decay of Romanticism in English Poetry.
 Studies in Style.

MISS CHAPIN.

General Survey of American Literature.
 Masterpieces of English Poetry.

MR. JONES.

Prophets of Modern Literature.
 Masterpieces of George Eliot.
 Social Studies in Henrik Ibsen.

MR. FISKE.

Five Plays of Shakespeare.

XVI. BIBLICAL LITERATURE IN ENGLISH.**HEAD PROFESSOR HARPER.**

The Stories of Genesis.

HEAD PROFESSOR BURTON.

The Second Group of Paul's Letters.

PROFESSOR MOULTON.

Studies in Biblical Literature.

PROFESSOR HIRSCH.

Religion in the Talmud.
 The Jewish Sects.
 Biblical Literature.
 History of Judaism.

ASSOCIATE PROFESSOR MATHEWS.

The History of New Testament Times in Palestine.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.
 The Forgotten Empire and the Old Testament.

ASSOCIATE PROFESSOR THATCHER.

The Apostolic Church.
 The Life and Work of Paul.

DR. KENT.

Hebrew Poetry.

Hebrew Prophecy studied in the Light of the Prophets of the Assyrian Period.

Messianic Prophecy.

The Messianic Predictions of the Hebrew Prophets.

DR. RUBINKAM.

The Five Megilloth (Rolls).

MR. VOTAW.

Some Aspects of the Life of Christ.

Sources and Relations of the Four Gospels.

Jewish and Christian Writings parallel with, but excluded from, Our Bible.

XVIII. ASTRONOMY.**DR. SEE.**

General Astronomy.

XIX. PHYSICS.**ASSISTANT PROFESSOR STRATTON.**

Sound.

ASSISTANT PROFESSOR CORNISH.

Hydrostatics and Pneumatics.

MR. BELDING.

Elements of Electricity and Magnetism.

XX. CHEMISTRY.**MR. MORSE.**

General Chemistry.

Chemistry of Everyday Life.

XXI. GEOLOGY.**PROFESSOR SALISBURY.**

Landscape Geology.

The Evolution of the North American Continent.

XXII. ZOÖLOGY.**MR. COLE.**

General Course in Bacteriology.

MICROSCOPY.**MR. MORSE.**

The Microscope and its Uses.

MUSIC.**DR. WILLIAMS.**

Music.

ART.

MR. FRENCH.

Painting and Sculpture.

MR. TAFT.

Ancient Sculpture.

Contemporary French Art.

Contemporaneous Art.

MR. SCHREIBER.

History of Art.

Child Study.

SCANDINAVIAN LITERATURE.

MR. DAHL.

Social Studies in Björnson and Ibsen.

Norwegian Literature.

Swedish and Danish Literature.

RUSSIAN LITERATURE.

DR. HOURWICH.

Studies in Russian Literature.

THE CLASS-STUDY DEPARTMENT.

JEROME H. RAYMOND, *Secretary*.

The following is a partial list of courses which will be given in the evening or on Saturday, at the University or in other parts of the city or suburbs, wherever six or more students desire instruction in the same subject. These classes will usually meet once a week for twelve weeks, each session continuing two hours.

I. PHILOSOPHY.

ASSISTANT PROFESSOR MEAD.

Introduction to Logic. M.

ASSISTANT PROFESSOR ANGELL.

Introduction to Psychology. M.

DR. SMITH.

Introduction to the Study of Philosophy. M.

Kant's Critique of Pure Reason. M.

II. POLITICAL ECONOMY.

MR. HOWERTH.

Political Economy. M.

III. POLITICAL SCIENCE.

MR. CONGER.

The Geography of Europe. M.

DR. BLAKELY.

Civil Government in the United States. M.

MR. OGDEN.

English Constitutional History.

Constitutional History and Law of the United States.

MR. MILLER.

Civil Government in the United States.

IV. HISTORY.

DR. WIRTH.

Grecian History. M.

Roman History. M.

MR. BALDWIN.

Nineteenth Century History. M.

MR. ROSSETER.

American History. M.

MR. RULLKOETTER.

Mediæval History. M.

English History. M.

MR. PAGE.

American History.

History of Illinois.

VI. SOCIOLOGY AND ANTHROPOLOGY.

ASSOCIATE PROFESSOR HENDERSON.

Voluntary Associations for Social Amelioration. M.

MR. FULOOMER.

Introduction to Sociology. M.

History of Sociology. M.

DR. MAX WEST.

General Sociology. M.

DR. GERALD M. WEST.

General Anthropology. M.

MR. HOWERTH.

Sociology.

Social Evolution. M.

XI. THE GREEK LANGUAGE AND LITERATURE.

MR. VOTAW.

Studies in Biblical Greek.

MR. SAYRS.

Greek for Beginners.

Xenophon's Anabasis.

Homer's Iliad.

XII. THE LATIN LANGUAGE AND LITERATURE.

ASSISTANT PROFESSOR MILLER.

The Historical Development of Latin Satire. M.

MR. ORR.

Cæsar for Beginners. M.

Virgil. M.

Cicero. M.

MR. MOORE.

Virgil's Georgics.

Horace.

XIII. ROMANCE LANGUAGES.

MR. DE COMPIGNY.

Elementary French.

Reading Course.

Practical French for Beginners.

Conversational French.

MISS SCHARFF.

French Literature. M.

XIV. GERMANIC LANGUAGES AND LITERATURES.

DR. VON KLENZE.

Goethe's Lyrical Poetry as an Exponent of His Life. M.

MR. MÜLFINGER.

Elementary German. M.

Modern Prose. M.

DR. DAHL.

Studies in Scandinavian Literature.

XV. THE ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

MR. LOVETT.

Rhetoric. DM.

English Composition. M.

MR. TRIGGS.

Studies in Nineteenth Century Literature.

MR. PAGE.

History of American Literature.

MR. SQUIRES.

English Romantic Poetry.

MR. HENRY.

English Romantic Poetry.

Studies in Tennyson. M.

MR. WOODS.

English Grammar.

Chaucer.

XVI. BIBLICAL LITERATURE.

DR. KENT.

Outlines of Hebrew History.

MR. VOTAW.

The Teaching of Jesus.

Studies in Biblical Greek.

The Gospel of Matthew in Greek.

XVII. MATHEMATICS.

MR. COBB.

Plane Geometry.

Solid Geometry.

Elementary Algebra.

Review Course in Algebra.

XVIII. ASTRONOMY.

DR. LAVES.

General Astronomy. M.

XX. CHEMISTRY.

MR. MORSE.

Elementary Chemistry. M.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Geographic Geology. M.

The Evolution of the North American Continent.
M.

MR. KÜMMEL.

Geographic Geology. M.

XXII. ZOÖLOGY.

MR. GARREY.

Elementary Course in the Morphology of Vertebrates. M.

MR. WHITNEY.

Elementary Zoölogy.

XXIV. PHYSIOLOGY.

MR. MITCHELL.

General Physiology.

XXVII. BOTANY.

MR. CLARKE.

Botany.

Plant Evolution.

MR. LUCAS.

Elementary Course in Plant Morphology.

Practical Botany.

THE CORRESPONDENCE-STUDY DEPARTMENT.

OLIVER J. THATCHER, *Secretary*.

NOTE.—Instruction by correspondence may be either formal or informal. In formal correspondence, the work is carried on in much the same way as in the class room, by means of a definite number of lesson and recitation papers. In informal correspondence, no formal lesson papers are given. The work to be done is carefully planned by the instructor, the necessary directions are given, and ordinarily a thesis or paper is required of the student, who is free at all times to ask for help and advice as difficulties arise. This method is employed only with graduate students.

I. PHILOSOPHY.

Psychology. MM.

Logic. M.

General History of Greek and Mediæval Philosophy.
MM.

Associate Professor Tufts offers instruction by informal correspondence in the History of Philosophy.

II. POLITICAL ECONOMY.

Principles of Political Economy. MM.

III. POLITICAL SCIENCE.

Head Professor Judson offers instruction by informal correspondence in Political Science.

IV. HISTORY.

Roman History to the Death of Augustus. M.

Greek History to the Death of Alexander. M.

History of the United States. M.

The History of England till the Accession of the Tudors. MM.

The History of Europe from the Invasion of the Barbarians till the Death of Charlemagne. M.

The History of Europe from 800 to 1500 A.D. MM.

The Period of Discovery and Exploration in America. M.

The Colonial Period and the War of the Revolution
MM.

The Political History of the Confederation, from the union of the Colonies against Great Britain to the formation of a National Government. M.

The Political History of the United States, from the formation of the National Government to the period of dominant foreign politics (1789-1815).
M.The Political and Constitutional History of the United States, from the formation of the Confederation to the War of Secession, continued,
M.

Dr. Shepardson offers instruction by informal correspondence in the History of the United States.

VI. SOCIOLOGY AND ANTHROPOLOGY.

The Methodology of Social Science. Open only to those who read both French and German fluently. MM.

Introduction to the study of the Dependent, Defective, and Delinquent Classes, and their Social Treatment. Two consecutive Majors.

The Family. M.

Non-economical and non-political Social Groups. M.

Anthropology. Elementary Course. MM.

Xenophon's Anabasis, Books IV-V. MM.

Homer's Iliad, I Book. MM.

Homer's Iliad, Books II-IV. MM.

Xenophon's Memorabilia. MM.

Lysias, Selected Orations, History of Greek Prose Literature. MM.

Demosthenes, De Corona. MM.

Professor Shorey offers instruction by informal correspondence in Greek.

VII. COMPARATIVE RELIGION.

Associate Professor Goodspeed offers instruction by informal correspondence in Buddhism and other religions.

VIII. SEMITIC LANGUAGES AND LITERATURES.

Beginning Hebrew. M.

Intermediate Hebrew. M.

Exodus and Hebrew Grammar. M.

Haggai, Zechariah, and Malachi, with Hebrew Syntax. M.

Arabic for beginners. MM.

Assyrian for beginners. M.

Head Professor Harper offers instruction by informal correspondence in Hebrew.

IX. BIBLICAL AND PATRISTIC GREEK.

Beginning New Testament Greek. M.

Intermediate New Testament Greek. M.

The Acts of the Apostles. M.

Head Professor Burton offers instruction by informal correspondence in the Greek New Testament.

X. SANSKRIT AND INDO-EUROPEAN PHILOLOGY.

Sanskrit for Beginners. MM.

XI. GREEK LANGUAGE AND LITERATURE.

Greek Primer for Beginners. Two and one-half consecutive Majors.

Xenophon's Anabasis, Books II-III. MM.

XII. THE LATIN LANGUAGE AND LITERATURE.

Latin Primer for Beginners. Two consecutive Majors.

Cæsar, Book II. MM.

Cæsar, Books III-IV. MM.

Cæsar, Book I, advanced. M.

Cicero. MM.

Cicero. MM.

Virgil, Book I. MM.

Virgil, Books II-III. MM.

Virgil, Books IV-VI. MM.

Cicero, De Senectute. Writing of Latin. M.

Livy, Selections. Writing of Latin. M.

Odes of Horace. Books I-II. MM.

Latin Prose Composition, based on Daniel's exercises from Cæsar and Cicero respectively. Two Minors.

Assistant Professor Miller offers graduate instruction by informal correspondence in the historical development of Roman Satire; also an advanced course in Latin prose composition based upon Preble and Parker's "Handbook of Latin writing."

XIII. ROMANCE LITERATURE AND PHILOLOGY.

French for Beginners. In two consecutive Majors.

XIV. GERMAN LANGUAGES AND LITERATURES.

German for Beginners. MM.

German, advanced. MM.

Associate Professor Cutting, Assistant Professor Schmidt-Wartenberg, and Dr. von Klenze offer instruction by informal correspondence in German Literature.

XV. THE ENGLISH LANGUAGE, LITERATURE, AND RHETORIC.**Rhetoric and Composition. MM.****Advanced Composition.** A course in daily theme writing. **MM.****Outline History of English Literature and the Study of Masterpieces. MM.****Studies in Tennyson. M.****Studies in Browning. M.****Studies in Matthew Arnold and Rosetti. M.****Studies in Shakespeare. MM.****The Beginnings of the English Romantic Movement.**
Studies in English Literature from 1725 to 1775. **MM.****English Romantic Poetry from 1750-1830.** Studies in Cowper, Burns, Wordsworth, Coleridge, Byron, Shelley, Keats, etc. **MM.**

Assistant Professor Blackburn offers instruction by informal correspondence in Old English.

XVI. BIBLICAL LITERATURE IN ENGLISH.**Samuel, Saul, David, and Solomon. M.****The Life of Christ in connection with the Gospel of Luke. M.****The Gospel of John. M.****The Founding of the Apostolic Church. First Half. M.**

XVII. MATHEMATICS.**Algebra.** Three successive Majors.**Plane Geometry.** Three successive Majors.**Solid Geometry. M.****College Algebra. MM.****Theory of Equations. M.****Plane Trigonometry. MM.****Special Trigonometry. M.****Analytic Geometry. MM.****Calculus.** Two consecutive Majors.**Analytic Geometry.** Advanced course. **MM.****Analytic Mechanics. MM.****Differential Equations.** Two consecutive Majors.

Professor Moore offers instruction by informal correspondence in higher Mathematics.

XLV. CHURCH HISTORY.**The Apostolic Church. MM.****The Protestant Reformation.** Two consecutive Majors.

ORDER OF EXAMINATIONS FOR ADMISSION.

FOR THE SPRING QUARTER, 1895.

WEDNESDAY, MARCH 20, 1895.

Latin 3)	-	-	-	-	-	9:00—10:00	German 1)	-	-	-	-	-	-	2:00—3:00
Latin 1)	-	-	-	-	-	10:00—11:00	German 2)	-	-	-	-	-	-	3:00—4:00
History of the United States	-	-	-	-	-	11:00—11:30	Greek 4)	-	-	-	-	-	-	3:00—4:00
History of Greece	-	-	-	-	-	11:30—12:15	Algebra	-	-	-	-	-	-	4:00—5:00
Latin 2)	-	-	-	-	-	12:15—12:45								

THURSDAY, MARCH 21, 1895.

German 3)	-	-	-	-	-	9:00—10:00	English	-	-	-	-	-	-	2:00—3:30
Greek 3)	-	-	-	-	-	9:00—10:00	Solid Geometry	-	-	-	-	-	-	3:30—4:15
French 2)	-	-	-	-	-	9:00—10:15	History of Rome	-	-	-	-	-	-	4:15—5:00
French 1)	-	-	-	-	-	10:15—11:00								
Greek 1)	-	-	-	-	-	11:00—12:15								

FRIDAY, MARCH 22, 1895.

Plane Geometry	-	-	-	-	-	9:00—10:00	Latin 4)	-	-	-	-	-	-	1:30—2:45
Physics	-	-	-	-	-	10:00—11:30	Geology, Astronomy, Physiography	-	-	-	-	-	-	1:30—2:30
History 2 a)	-	-	-	-	-	11:30—12:30	Biology (Zoology and Botany)	-	-	-	-	-	-	2:30—3:30
							Latin 5)	-	-	-	-	-	-	2:45—3:30
							Greek 2)	-	-	-	-	-	-	3:30—4:00
							Chemistry	-	-	-	-	-	-	3:30—5:00

EXAMINATIONS FOR ADMISSION.

FOR THE SUMMER QUARTER, 1895, JUNE 19, 20, and 21, 1895.

FOR THE AUTUMN QUARTER, 1895, SEPTEMBER 18, 19, and 20, 1895.

NOTE.—The order of examinations is the same each Quarter.

CALENDAR FOR 1895.

Jan. 1.	Tuesday	NEW YEAR'S DAY; a holiday. FIRST TERM of Winter Quarter begins.			<i>vinity</i> or <i>Theology</i> to be conferred at the <i>October Convocation</i> .
Jan. 2.	Wednesday	MATRICULATION and REGISTRATION of incoming students. WINTER MEETING of the <i>University Convocation</i> .	June 23-30		QUARTERLY RECESS.
Jan. 31.	Thursday	DAY OF PRAYER for Colleges.	July 1.	Monday	FIRST TERM of Summer Quarter begins.
Feb. 8.	Friday	WINTER MEETING of the <i>University Union</i> .			MATRICULATION and REGISTRATION of incoming students.
Feb. 11.	Monday	FIRST TERM of Winter Quarter ends.	July 4.	Thursday	SUMMER MEETING of the <i>University Convocation</i> .
Feb. 12.	Tuesday	LINCOLN'S BIRTHDAY; a holiday. SECOND TERM of Winter Quarter begins.	July 7.	Sunday	
Feb. 22.	Friday	WASHINGTON'S BIRTHDAY; a holiday.	Aug. 10.	Saturday	INDEPENDENCE DAY; a holiday.
Mar. 8.	Friday	LAST DAY for handing in <i>registration cards</i> for Spring Quarter.	Aug. 11.	Sunday	THE CONVOCATION SERMON.
Mar. 20-22.	Wednesday Thursday Friday	QUARTERLY EXAMINATIONS, and SPRING EXAMINATIONS for admission to the <i>Academic Colleges</i> .			FIRST TERM of Summer Quarter ends.
Mar. 23.	Saturday	LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> or <i>Theology</i> to be conferred at the <i>July Convocation</i> .	Sept. 2.	Monday	SECOND TERM of Summer Quarter begins.
Mar. 24.	Sunday	SECOND TERM of Winter Quarter ends.	Sept. 18-20.	Wednesday Thursday Friday	LAST DAY for handing in <i>registration cards</i> for Autumn Quarter.
Mar. 25-31.		QUARTERLY RECESS.	Sept. 21.	Saturday	QUARTERLY EXAMINATIONS, and AUTUMN EXAMINATIONS for admission to the <i>Academic Colleges</i> .
April 1.	Monday	FIRST TERM of Spring Quarter begins. MATRICULATION and REGISTRATION of incoming students. SPRING MEETING of the <i>University Convocation</i> . LAST DAY for receiving applications for fellowships.			SECOND TERM of Summer Quarter ends.
April 7.	Sunday	CONVOCATION SERMON.	Sept. 22-30.		LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> or <i>Theology</i> , to be conferred at the <i>January Convocation</i> .
May 1.	Wednesday	ANNUAL ASSIGNMENT of <i>Fellowships</i> .	Oct. 1.	Tuesday	QUARTERLY RECESS.
May 11.	Saturday	FIRST TERM of Spring Quarter ends.			FIRST TERM of Autumn Quarter begins.
May 13.	Sunday	SECOND TERM of Spring Quarter begins.	Oct 6.	Sunday.	MATRICULATION and REGISTRATION of incoming students.
May 30.	Thursday	MEMORIAL DAY; a holiday.	Nov. 8.	Friday	AUTUMN MEETING of the <i>University Convocation</i> .
June 1.	Saturday	LAST DAY for handing in <i>Registration Cards</i> for Summer Quarter.	Nov. 9.	Saturday	THE CONVOCATION SERMON.
June 19-21.	Wednesday Thursday, Friday	QUARTERLY EXAMINATIONS, and SUMMER EXAMINATIONS for admission to the <i>Academic Colleges</i> .	Nov. 10.	Sunday	AUTUMN MEETING of the <i>University Union</i> .
June 22.	Saturday	SECOND TERM of Spring Quarter ends. LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> or <i>Theology</i> to be conferred at the <i>April Convocation</i> .	Nov. 28.	Thursday	FIRST TERM of Autumn Quarter ends.
			Nov. 10.	Sunday	SECOND TERM of Autumn Quarter begins.
			Nov. 28.	Thursday	THANKSGIVING DAY; a holiday.
			Dec. 2.	Monday	LAST DAY for handing in <i>registration cards</i> for Winter Quarter.
			Dec. 18-20.	Wednesday Thursday Friday	QUARTERLY EXAMINATIONS, and WINTER EXAMINATIONS for admission to the <i>Academic Colleges</i> .
			Dec. 21.	Saturday	SECOND TERM of Autumn Quarter ends.
					LAST DAY for handing in <i>Theses for the Doctorate</i> and the <i>Degree of Bachelor of Divinity</i> or <i>Theology</i> to be conferred at the <i>April Convocation</i> .
			Dec. 23-31.		QUARTERLY RECESS.

STATED MEETINGS.

TRUSTEES, FACULTIES, AND BOARDS.

The *Board of Trustees* holds stated meetings on the last Tuesday of each month.

The monthly meetings of *Faculties and Administrative Boards* are held on Saturdays, from 8:30 A.M. to 1:00 P.M. as follows:

First Saturday.

8:30- 9:30—Administrative Board of Physical Culture and Athletics.

9:30-11:00—Administrative Board of the Academic Colleges.

11:00- 1:00—The University Senate.

Second Saturday.

8:30- 9:30—Administrative Board of Affiliations.

9:30-11:00—The University Council.

1:00- 1:00—Faculty of Morgan Park Academy.

Third Saturday.

8:30- 9:30—Administrative Board of the University Press.

9:30-11:00—Joint meeting of the Administrative Boards of the Graduate School of Arts and Literature, and the Ogden (Graduate) School of Science.

11:00- 1:00—The Faculty of Arts, Literature, and Science.

Fourth Saturday.

8:30- 9:30—Administrative Board of the University Colleges.

9:30-11:00—Administrative Board of Libraries, Laboratories, and Museums.

11:30- 1:00—The Divinity Faculty.

The University Extension Faculty meets on the first Monday, at 5:00 P.M.

The *Annual Register* is issued about July 1st of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

The *Quarterly Calendar* is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the registration of students during the quarter, and lists of courses of instruction to be offered during the succeeding quarters.

The *Circular of Information* concerning the Departments of Arts, Literature, and Science contains full information as to admission to the Schools and Colleges of these departments and statements concerning the requirements of degrees.

The *Circular of Information* of the Divinity School contains all information concerning the Divinity School, courses, admission, etc.

The *Circular of Information* of the University Extension Division contains lists of lectures and courses offered, statement of correspondence work, class work, etc.

Departmental Programmes are issued by all the departments of instruction, and give details of the work of the departments that cannot be given in the REGISTER or the CALENDAR.

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The University of Chicago

FOUNDED BY JOHN D. ROCKEFELLER

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THE UNIVERSITY OF CHICAGO
1912-1913
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The University is situated on the Midway Plaisance, between Ellis and Lexington Avenues, and can be reached by the Cottage Grove Avenue cable cars (from Wabash Avenue), by the Illinois Central Railroad, to South Park station, or by the Sixty-first Street electric cars from Englewood station.

There is a Baggage Express office and a Western Union telegraph office at the University.

The telephone number of the University is Oakland-300.

It will be sufficient to address any correspondence relating to the work of the University to

THE UNIVERSITY OF CHICAGO,

Chicago, Illinois.

PART I—RECORDS.

The University in General.

THE PROCEEDINGS OF THE TENTH UNIVERSITY CONVOCATION, APRIL 1, 1895.

*THE PRESENT, ITS OPPORTUNITIES AND PERILS.**

ADDRESS BY

THE HONORABLE CHAUNCEY M. DEPEW, LL.D.

NEW YORK, N. Y.

MR. PRESIDENT, LADIES AND GENTLEMEN:

In the career of a young man are several climacterics. They are well defined and intensely interesting if he has the advantages of a liberal education. Broadly stated they are his entering college, the day of his graduation, the career he adopts, and his marriage. His graduation day and the selection of his career come so close together that they may almost be accepted as one. His university and the learned faculty, have equipped and trained him for his life work. His reliance thereafter is upon himself. He leaves college and enters the world under poetic, even romantic conditions. His situation is like that of the knight in the ancient tournament whose valor and skill were witnessed by throngs of gallant gentlemen and beautiful ladies, and who, if successful, had the supreme happiness of crowning some one as the queen of love and beauty. As this modern knight of the college curriculum stands upon the commencement platform he is surrounded by admiring relatives, by happy and sympathetic friends, and a joyous and applauding multitude.

The entrance of a young man into the world is commonly described in the vocabulary of the literature of the battle-field, but that characterization is wholly inadequate. Not only is it inadequate, but it is untrue. The ambitious aspirant for the rewards and honors of life does not expect to win them by the defeat and destruction of his competitors. Blood and treasure are not poured out in a successful career in literature, the professions or business. It is an ignoble

and a mean view which relies upon the ruin of an opponent in order to secure his place. Success in life, with all its hot competitions, is rather a contest like some of the games of Olympia and some of the athletic feats of our own times in which the swifter runner or the more skillful oarsman may win the prize, but there are honors and cheers, there are places and rewards for those who fail in securing the supreme positions. Of course we know of fortunes which have been made by the misfortunes of others and positions which have been won by the overthrow of others, but the man whose accumulations, however great and glittering they may be, represent simply the ruin of tens, or hundreds, or thousands, is nothing but a legalized brigand. It is the misfortune of our complex civilization that the law has not comprehended and covered in its prohibitions and penalties all the opportunities of sinning against the persons and properties of a community.

It is not the least of the glories of our period that a liberal education has become popular and the university the ambition of all the people. For nearly a thousand years the university was only for the select few. The plain people had no lot or part or interest or opportunity in its advantages. The mediæval foundation which is the ancestor of the modern college was only for the benefit of a fraction of the population. Originally it was only for the church. It took centuries to embrace in a liberal education what are known as the professions. It is only in our own time and in America that journalism has been recognized as

*The Auditorium, April 1, 1895, 8 P.M.

one of the liberal professions. There is nothing so conservative as the college. It follows last in the procession of progress; it distrusts innovations and discredits theories. Its faculty by the very peculiarity of their existence learn to respect the traditions and the teachings of the past. They point to the long line of men, eminent in every department of human thought and activity, whom the colleges have created, and they naturally inquire most critically into the innovation which promises to improve upon the Abelards and the Bacons, upon the Miltons and the hundreds of others who have illumined literature; upon the innumerable line of statesmen and orators and the grand body of preachers and thinkers. The university in Europe has about it the mediæval flavor. It is not a school of the people. It is still an institution for classes and not for the masses. Its training and its objects are for the professions, the sciences, literature and hereditary statesmanship. It is the American development which has brought the college home to the people. Harvard and Yale, the parents of all the American colleges, were founded originally simply to educate men for the pulpit. It is a curious fact that for a hundred years after the landing of the Pilgrims on Plymouth Rock there was not a lawyer in New England. In every community the minister was not only the pastor of his flock, the curator of souls and the administrator of the church, but he was also the authority in political matters and the judge in neighborhood disputes. His sacred office, his education, and his superior training made him the leader of the people in all matters affecting their relations with each other or with their God. There are nearly four hundred colleges in the United States today and their number evidences the aspirations of the farm and the workshop for a higher education for their boys and their girls. This rapid evolution of the university toward popular ideas and popular bases in our country has made acute the question whether our education should be specifically for the pursuit which the student has selected as his vocation, or whether upon ancient and tried lines it should develop him first by discipline, by training, and by teaching to the full growth and command of all his faculties, and then let him select his pursuit.

I acknowledge the position and the usefulness of the business college, the manual training school, the technological institute, the scientific school and the schools of mines, medicine, law, and theology. They are of infinite importance to the youth who has not the money, the time, or the opportunity to secure a liberal education. They are of equal benefit to the college graduate who has had a liberal education in

training him for his selected pursuit. But the theorists, or rather the practical men who are the architects of their own fortunes, and who are proclaiming on every occasion that a liberal education is a waste of time for a business man, and that the boy who starts early and is trained only for his one pursuit is destined for a larger success, are doing infinite harm to the ambitious youth of this country.

It has been my lot in the peculiar position which I have occupied for over a quarter of a century of counsel and adviser for a great corporation and its creators, and of the many successful men in business who have surrounded them, to know how men who had been denied in their youth the opportunities for education feel when they are possessed of fortunes and the world seems at their feet. Then they painfully recognize their limitations; then they know their weakness; then they understand that there are things which money cannot buy, and that there are gratifications and triumphs which no fortune can secure. The one lament of all those men has been, "Oh, if I had been educated! I would sacrifice all that I have to attain the opportunities of the college; to be able not only to sustain conversation and discussion with the educated men with whom I come in contact, but competent also to enjoy what I see is a delight to them beyond anything which I know."

The college, in its four years of discipline, training, teaching, and development, makes the boy the man. His Latin and his Greek, his rhetoric and his logic, his science and his philosophy, his mathematics and his history have little or nothing to do with law or medicine or theology, and still less to do with manufacturing, or mining, or storekeeping, or stocks, or grain, or provisions. But they have given to the youth, when he has graduated, the command of that superb intelligence with which God has endowed him, by which or the purpose of a living or a fortune, he grasps his profession or his business and speedily overtakes the boy who, abandoning college opportunities, gave his narrow life to the narrowing pursuit of the one thing by which he expected to earn a living. The college-bred man has an equal opportunity for bread and butter, but beyond that he becomes a citizen of commanding influence and a leader in every community where he settles. Within his home, however humble it may be and however limited his income to support it, he has enjoyment among his books and in the grasp and discussion of the questions of the hour, which are denied to the man who has not drunk at or who refused to go to the fountain of knowledge and the well-spring of inspiration which flows only in the college or the university.

The best proof of the value of a college education in all the pursuits of life is to be found in the eminent success of those who have enjoyed it in the higher walks of the professions, of statesmanship and even in business. As de Tocqueville pointed out and as Bryce has discovered, ours is a lawyers' government. The vast majority of our Presidents, our Cabinet Ministers, of the members of our House of Representatives, and of the Senate have been lawyers. The reason has not been because the lawyers are better fitted to make laws or to legislate than the farmer or the business man, but because the lawyers have been better trained from having been in the past almost universally educated at the college. The legislation of the Parliament of Great Britain during the past fifty years has been as liberal and as advanced as that of any government in the world. It has been a constant succession of measures for the emancipation of the suffrage, the emancipation of trade, and the emancipation, upon philanthropic lines, from the penal laws which represented the barbarism of the Middle Ages. Very few of the members of Parliament have been lawyers, but ninety one-hundredths of the members were graduates of the great universities of Great Britain, and there they secured that university training which gave to them that broadness of understanding, that fullness of grasp, that touch with the questions of the hour, that knowledge of the present and of the past, and insight into the future which made them the statesmen of the British Empire.

The world which our young man enters today is a very different one from that which his father or his grandfather or his ancestor of a hundred years ago knew anything about. Fifty years ago he would have graduated at a denominational college and fallen into the church of his fathers and of his faculty. Fifty years ago he would have dropped into the party to which his father belonged. He would have accepted his religious creed from the village pastor and his political principles from the national platform of his father's party. But today he graduates at a college where the denominational line is loosely drawn, and finds that the members of his family have drifted into all churches and are professing all creeds, and he must select for himself the church in which he shall find his home, and the doctrines upon which he shall base his faith. He discovers that the ties of party have been loosened by false leaders or incompetent ones, and by the failure of party organizations to meet the exigencies of the country and the demands of the tremendous development of the times. Those who should be his advisers say to him, "Son, judge for thyself and for thy country." Thus at the very threshold he requires an equipment

which his father did not need for his duties as a citizen or for the foundations of his faith and principles. He starts out at the close of this marvelous nineteenth century to be told from the pulpit and the platform and by the press, and to see from his own observations that there are revolutionary conditions in the political, the financial, and the industrial world which threaten the stability of the state, the position of the church, the foundations of society, and the safety of property. But while precept and prophecy are of disaster he should not despair. Every young man should believe that tomorrow will be better than today and look forward with unfaltering hope for the morrow, while doing his full duty for today.

That the problems are difficult, and the situation acute, we all admit. But it is the province of education to solve problems and remove acute conditions. Our period is the paradox of civilization. Heretofore our course has been a matter of easy interpretation and plain sailing by the navigation books of the past. But we stand five years from the twentieth century facing conditions which are almost as novel as if a vast convulsion had hurled us through space and we found ourselves sitting beside one of the canals of Mars.

Steam and electricity have made the centuries of the Christian era down to ours count for nothing. They have brought about a unity of production and markets which upset all the calculations and all the principles of action of the past. They have united the world in an instantaneous communication which has overthrown the limitations which formerly were controlled by time and distance or could be fixed by legislation. The prices of cotton on the Ganges or the Amazon, of wheat on the plateaus of the Himalayas or in the delta of the Nile, or in the Argentine, of this morning, with all the factors of currency, of climate and wages which control the cost of their production, are instantly reflected at noon at Liverpool, at New Orleans, at Savannah, at Mobile, at Chicago and New York. They send a thrill or a chill through the plantations of the South and the farmhouses of the West. The farmers of Europe and America are justly complaining of their conditions. The rural populations are rushing to the cities and infinitely increasing the difficulties of municipal government. Capitalists are striving to form combinations which shall float with the tide or stem it, and labor organizations with limited success are endeavoring to create a situation which they believe will be best for themselves. The tremendous progress of the last fifty years, the revolutions which have been worked by steam, electricity, and invention, the correlation of forces working on one side of the globe and producing instantaneous

effects upon the other, have so changed the relations of peoples and industries that the world has not yet adjusted itself to them. The reliance of the present and future must be upon education, so that supreme intelligence may bring order out of the chaos produced by this nineteenth century earthquake of opportunities and powers.

There have always been crises in the world. They have been the efforts and aspirations of mankind for something better and higher, and have ultimately culminated in some tremendous movement for liberty. These revolutions have been attended by infinite suffering, the slaughter of millions, and the devastation of provinces and kingdoms. The crusades lifted Europe out of the slavery of feudalism, the French Revolution broke the bonds of caste. Napoleon was the leader and wonder-worker, though selfishly so, of modern universal suffrage and parliamentary government. The aspiration of all the centuries has been for liberty and more liberty. The expectation has been that when liberty was gained there would be universal happiness and peace. The English-speaking peoples have secured liberty in its largest and fullest sense; that liberty where the people are their own governors, legislators, and masters. The paradox of it all is that with the liberty which we all hold as our greatest blessing has come a discontent greater than the world has ever known. The socialist movement in Germany grows from a hundred thousand votes ten years ago to some millions in 1894. The Republican elements in France become more radical and threatening month by month. The agrarian and labor troubles of Great Britain are beyond any ability of her statesmen to overcome except by makeshifts from day to day. There was an anarchist riot in Chicago, when only the disciplined valor of a small corps of policemen saved the great city from the horrors of pillage and the sack. A single man created an organization of railway employes in a few months so strong that under his order twenty millions of people were paralyzed in their industries and their movements, and all the elements which constitute the support of communities temporarily suspended. So potential was this uprising that two governors surrendered and the mayor of our Western Metropolis took his orders from the leader of the revolt. Industrial and commercial losses of incalculable extent were averted only by the strong arm of the Federal Government.

A Congress which has just adjourned nominally represented several parties, but recognized allegiance to none, and its ignorance and incompetence were the wonder of the world and the amazement of the country. Its idiocy nearly wrecked the credit and business

of the country. It could formulate no policy, nor devise any scheme of relief. Each of its little groups had its pet theories and plans. Its faults and failures were due to ignorance. There was not enough of educated intelligence to concentrate upon measures which could start once more the wheels of industry and give profitable employment on the farms, and in the factories, the mines, and the railroads. The times are ripe for ignorant demagogues and educated patriots, and our colleges are the recruiting stations for the patriots. All these are not revolutions. They are symptoms; symptoms of conditions which must be grasped, understood, met, and solved. We need fear no revolution, because revolution only comes, as it has in the past, when there is an under and oppressed class seeking to break the crust of caste or privilege. We have no caste or privilege. The people who are discontented are the governors and rulers and must solve their own problems. They can elect their own congresses and presidents. They cannot revolt against themselves nor cut their own throats. Sooner or later and in some way or other they will solve their problems, but it will be by and through the law. It will be by destructive or constructive methods.

The inquiry is natural, "With all the prosperity and progress of the world, why this discontent?" The rapidity of invention and the opportunities afforded by electricity and steam have destroyed in the last twenty-five years sixty per cent. of the capital of the world and thrown forty per cent. of its labor out of employment. The triple expansion engine, the invention of a new motor, the reduplication of forces by a new application of machinery makes useless all the old ones. It does more, it compels the skilled artisan, in the loss of the tool by which he earned his living, and which is no longer of any use, to fall back into the vast mass of common laborers. At the same time these very forces which have thus destroyed the majority of values and thrown out of employment so many people, have created new conditions which have added beyond the power of calculation to the wealth of the world and the opportunities of its people for living, comfort, and happiness. But to enjoy its opportunities, its comforts, and its happiness a better education becomes necessary.

Another of the paradoxes of our quarter of a century is that every artisan and mechanic and the laborer in every department today, with shorter hours of labor, receives twenty-five per cent., and in many cases fifty per cent., more than he did thirty years ago. While he receives thus one-third more than he did thirty years ago, his dollar will buy in clothes and food twice as much as it would thirty years ago. One would think

that the laborer ought to be supremely happy when he compares the past with the present, and that beyond his living he ought to be laying up in the savings bank the fund which would speedily make him a capitalist. And yet he feels a discontent which his father thirty years ago, with one-third the wages and his dollar buying only half as much, never knew. This all comes of education.

Education has made possible the marvelous growth of our country and the wonderful opportunities it affords for employment and fortunes, but it has lifted our people out of the methods and habits of the past, and we can no longer live as our fathers did.

The common school and the high school, with their superior advantages, have cultivated us so that the refinements of life make broader and more intelligent men, and brighter, more beautiful, and more large-souled women. It lifts them above the plane of the European peasant. While education and liberty have made Americans a phenomenal people, they have also, in a measure, raised the standards of living and its demands in the older countries of Europe. The Indian laborer can live under a thatch in a single room, with breechclout for clothes and a pan of rice for his food. But the American mechanic wants his home, with its several rooms. He has learned, and his children have learned, the value of works of art. They have all become familiar with the better food and the better clothing and the better life which constitute not luxury but comfort, and which make up, and ought to make up, the citizens of our Republic.

Masterful men of great foresight and courage have seized upon the American opportunity to accumulate vast fortunes. The masses who have not been equally fortunate look upon them and say "We have not an equal share in these opportunities." This is not the place nor have I time even to hint at the solution of these difficulties or the solving of these problems. That the genius exists among us to meet them if need be by legislation, if need be by other processes, no man in his senses can doubt. We require for our time more education, more college students,

and more college opportunities. Every young man who goes out from these foundations into the world goes out as a missionary of light and knowledge. He will stand in the community where he will settle for an intelligent, broad, and patriotic appreciation of the situation of the country and of his neighborhood. The graduates of the four hundred universities of the country are the lieutenants and the captains, the colonels, the brigadier generals, and the major generals of that army of American progress to which we all belong. We are fighting the battles not only of today but for all times; we are developing this country not only for ourselves, but also for posterity. We have overcome slavery, we have extirpated polygamy, and our only remaining enemy is ignorance.

The best use to which wealth can be applied is to assist these great universities which are thus educating the youth of our land.

This institution, which owes its existence to the beneficence of Rockefeller, is in itself a monument of the proper use of wealth accumulated by a man of genius. So is Cornell, so is Vanderbilt, and so are the older colleges, as they have received the benefactions of generous, appreciative, and patriotic wealth. But in view of the dangers which are about us and of the difficulties which are before us, we cannot rely alone upon what the rich may do or what philanthropy or generosity or wisdom may suggest. The state has already done well in the common school; it has done better in the high school, and better still in the final opportunities which it gives in many cases for a liberal education.

It would be a long step forward in popularizing higher education if the government should establish at Washington a great National University. As at Oxford or at Cambridge there are historic colleges with foundations running back for hundreds of years, and each having its own traditions, but all part of the University; so in every state there would be colleges, each one of them having its own merits and traditions, and all of them belonging to the Grand University which will represent the culture of the new world, the University of the United States.

**THE STATEMENT OF THE PRESIDENT OF THE UNIVERSITY
FOR THE QUARTER ENDING MARCH 31, 1895.**

**MEMBERS OF THE UNIVERSITY, TRUSTEES, COLLEAGUES,
STUDENTS AND FRIENDS:**

We assemble tonight in the tenth Convocation of the University, and as we recall the words of former occasions uttered by Professor von Holst on "The Need of Universities in the United States," Professor Chamberlin on "The Mission of the Scientific Spirit," Professor Hale on "The Place of the University in American Life," Professor Drummond on "Evolution," Professor Remsen on "The Chemical Laboratory," President Coulter on "Some College Fallacies," President Mendenhall on "The Evolution and Influence of Experimental Physics," Professor Barrows on "The Greatness of Religion," President Seth Low on "The University and its Relation to the Questions of the Times"—as we go back in memory to the associations which were connected with these meetings, to some of us, each Convocation seems to represent a year. But the fact remains that our life as an institution must still be counted by months rather than years.

This evening, in accordance with our custom, I beg you to consider with me the life of the few weeks which have passed since our last Convocation, the events which are of interest to our friends or of importance to the cause of education.

Death has twice visited us. James Robinson Boise served as Professor in Brown University, in the University of Michigan, in the old University of Chicago, in the Theological Seminary which is now the Divinity School of the University of Chicago, and, as Emeritus Professor, in the University. At the time of his death he was a Nestor among the Greek instructors in this country. His books were among the first to apply the modern ideas to language teaching, and to him the Greek scholarship of today is greatly indebted. As scholar, teacher, man, he represented the purest and highest ideals. His work had been finished and he was waiting patiently for the end of life. The end came and the departure was as quiet and serene as the life had been.

The death of Harry Howard was in striking contrast. A young man who had received the highest honors from his college (Trinity); endowed with gifts of mind which were in some respects extraordinary; filled with an ambition to do work as an investigator in a department in which his acquisitions were already quite extensive; eager to give up even the barest comforts of life for opportunity to study; actually engaged

while dying in the preparation of a paper for the classroom, taken away so suddenly that we do not yet fully realize that he is gone. The old man and the youth; the master and his pupil.

The Enrollment.

The number in attendance at the University during the Winter Quarter has been 1029, an increase of 183 over the attendance of the Winter Quarter of 1894. The increase is distributed as follows: The Graduate Schools from 259 to 308; the Divinity School from 168 to 212; the Colleges, including unclassified students, from 390 to 518.

The ten departments registering the largest number of students during the Winter Quarter were, in order of number: English 450 (students 328), History 244 (students 196), Mathematics 225 (students 130), Latin 173 (students 153), Philosophy 151 (students 130), Germanic Languages and Literature 145 (students 136), Chemistry 134 (students 73), Sociology and Anthropology 117 (students 87), Romance Languages and Literature 111 (students 103), Biblical and Patristic Greek 96 (students 68), Physics 96 (students 76), Political Economy 93 (students 71).

Some interesting facts are disclosed in comparing the growth of attendance from the beginning of the University. The number of Graduate students has increased from 166 to 308. The number of Divinity students has increased from 182 to 212. The number of College students has increased from 175 to 389. The number of Unclassified students has increased from 71 to 129.

During the quarter just closing, the following professors and instructors have been absent from the University: Head Professors John Dewey, William I. Knapp, George W. Northrup; Professors Frank F. Abbott, E. H. Moore, C. R. Van Hise, Wm. H. Holmes, Nels P. Jensen; Associate Professors Julia E. Bulkley, Chas. A. Strong; Assistant Professor Edward Capps; Instructors William Hill, Camillo von Klenze; Tutors Ferdinand Schwill, Clyde W. Votaw; Assistant James H. Breasted; Docents Adolph Meyer, John C. Merriman, and Albrecht H. Wirth.

Buildings.

The building committees of the Trustees have been engaged during the winter in completing the erection of the President's house, which will be ready for occupancy May 1; in closing the contracts for the build-

ings of the Yerkes Observatory, which will be completed October 1; and in preparing the plans and securing bids for the Haskell Oriental Museum, the foundations of which will be laid within a month. A special committee of the Trustees has been appointed to prepare the plans for the new Woman's Building to which reference was made at the last Convocation. It is a source of sincere regret that so few new subscriptions have been received toward the building. The money paid in and pledged now amounts to \$27,000; the balance to be raised is \$48,000. The proposition to name the building in honor of Mrs. Kate Newell Daggett has everywhere been received with favor. Again we ask, will not the women of Chicago complete the work which they have begun? How long shall the unsightly vacancy between Kelly and Beecher remain as the reminder of an unfinished undertaking?

The University has not forgotten, during these months, its need of laboratories for Zoölogy and Physiology. A friend of the institution, a member of the board, realizing that the building of a laboratory involves greatly increased expenditure to the University for its maintenance, has proposed that if the money for its erection shall be secured, he will provide the cost of maintenance for five years, provided such cost does not exceed \$10,000 a year. Another friend has consented to consider the question of furnishing the funds for the building of the Zoological laboratory. A movement has been set on foot among the German citizens of Chicago to secure the funds for the erection of a Physiological laboratory which shall bear the name of the great German scientist von Helmholtz.

The University Extension Division.

The reports from the work of the University Extension Division during the past quarter indicate that this department of the University's activity is steadily increasing its value in bringing the University and the people together, and in quickening the intellectual life of the towns and cities throughout the northwest. It is more apparent than ever before that the work has passed beyond the experimental stage, and that in important towns it has already taken on very much of the character of a permanent part of the educational activity of the community. The public schools in the various cities are cooperating more and more with the work of the lecture-study courses, and the local clubs are shaping their season's work with reference to the courses announced at the various centres. Reports from the public libraries and the booksellers of the towns show in a very interesting way that the reading

of the people is directly and very largely influenced by the lectures in progress. Herein is apparent, perhaps, the chief service which University Extension lecture courses are at present rendering to the people, namely, the bringing home to the minds of intelligent people the most recent thought embodied in the literature of the subjects discussed by the lecturers. To a greater extent than ever before at this season of the year, the work of important centres is already planned, either in part or as a whole, for the season which will open next October. In a constantly increasing degree work begun by lecture courses is carried on by correspondence-study or in classes held in the interval between lectures, while the number of students in residence at the University is continually being reinforced by the addition of those whose interest is aroused through the activities of this division of the University's work. It is felt that this work is still in its elementary stage, but experience is furnishing data for constant and rapid advance toward more and more serious consecutive study.

Evidence of this is seen, also, in the number of courses of lectures given at particular centres, *e. g.*, Aurora has had two courses; Canton, three; All Souls' Centre, Chicago, eight; Englewood, four; Hull House, four; Lake View, three; Newberry Library, sixteen; People's Institute, four; St. James, Roman Catholic, five; Wicker Park, six; Danville, Ill., two; Dubuque, Iowa, three; Joliet, six; Kankakee, four; Springfield, Ill., five; Indianapolis, Ind., six.

During the last quarter sixty-six courses of lecture-studies were given, in fifty-seven centres, to audiences averaging 187, aggregating 12,342. These courses were given in Illinois (36), Michigan (14), Indiana (6), Iowa (4), Minnesota (3), Wisconsin (1), Missouri (1), California (1); the subjects treated belonged to the departments of Sociology and Anthropology (22), English Language and Literature (21), History (13), Biblical Literature (5), Geology (2), Art (2), Scandinavian Literature (1). The lecturers were as follows: Mr. John Graham Brooks, four courses; Professor Nathaniel Butler, seven; Miss Augusta J. Chapin, one; Mr. S. H. Clark, one; Dr. Olaus Dahl, one; Mr. W. M. R. French, two; Professor C. R. Henderson, one; Professor R. G. Moulton, fifteen; Mr. Jerome H. Raymond, four; Professor R. D. Salisbury, two; Dr. F. W. Shepardon, five; Professor A. W. Small, two; Professor Frederick Starr, one; Mr. W. C. Webster, eight; Mr. Charles Zeublin, ten.

In the class-study division, sixty-six courses of instruction were offered, of which thirty were taken, the attendance aggregating 689, averaging twenty-three in each class; the departments represented were

in the order of attendance of students; Geology, 305; Biblical Literature, 220; Political Economy, 42; Latin, 27; History, 21; Political Science, 18; French, 11; German, 9; English, 9; Philosophy, 8; Mathematics, 8; Botany, 5; Greek, 4; Physics, 2.

In correspondence-study the number of students registered has increased during the quarter from 390 to 418. These students are working in fifteen departments and are enrolled in sixty-three different courses.

The Extension Division has arranged for three conferences of Extension workers, to be held during the coming quarter; one at Joliet, Ill.; one at Clinton, Iowa; and one at South Bend, Ind. The districts of which these cities are the natural centers have manifested great interest in the proposed conferences, and their success is already guaranteed.

The Quadrangle Club.

The friends of the University will be pleased to learn that the Quadrangle Club is making plans for a permanent home on Lexington avenue, opposite the University. The membership of the club, originally restricted to University instructors, has been opened to the Trustees of the University, the members of the staff of the Field Columbian Museum, and others who may be chosen in accordance with the rules of the club.

The proposed clubhouse will cost about \$30,000. This building, if erected, will serve as social headquarters for the Faculties of the University and their friends. The good already resulting from the organization of the club has been beyond estimate. With a permanent home, increased facilities, and closer proximity to the grounds of the University, the club will be able to render a service to the University which no other agency could perform.

The Field Columbian Museum.

Public acknowledgment is due the Trustees and officers of the Field Columbian Museum, for the many courtesies received from the Museum by the University. The fact that the buildings of the University are only twelve minutes' walk from the Museum makes it possible for the members of the University to enjoy in a special manner the advantages of the Museum. It is also gratifying to be able to speak of the close coöperation in work which already exists between the two institutions.

The University appreciated the honor which was conferred upon it by the selection of members of its faculty to serve as the first lecturers in the Saturday afternoon course which has been conducted by the officers of the Museum with such marked success. It

is also with pleasure that the announcement is made that four members of the staff of the Museum have accepted regular appointments in the University: Director W. H. Holmes to give instruction in Geology, Mr. O. C. Farrington to give instruction in Mineralogy, Mr. C. F. Millsbaugh to lecture in Botany, Mr. D. G. Elliott to lecture in Zoology. This arrangement, made with the cordial approval of the Trustees of the Museum, means much for the development of scientific study in both Museum and University.

The University desires also to make acknowledgment to the President and Trustees of Lake Forest University for the courtesy involved in the arrangement by which President Coulter has been permitted to take general supervision of the department of Botany in the University, and to give instruction to graduate students. The plan has worked so successfully that President Coulter will continue in charge of the department. With larger appropriations during the coming year for both instruction and equipment, the University will be able to offer greatly increased facilities to students in Botany.

Conferences.

Among other events in the University life of the past quarter there may be mentioned:

(1) The conference of instructors in Political Economy, History, and Sociology, in which representatives of ten states and twenty-one institutions participated, and which resulted in the organization of the *Political Science Association of the Central States*. This association will hold an annual meeting to promote the study and mutual interests of work in the departments represented.

(2) The second annual conference of Teachers of Chemistry, January 1, in which representatives of four states and twenty institutions participated, and in connection with which a committee was appointed to prepare an outline of work in Chemistry for the secondary schools, upon the basis of the discussion of the conference.

(3) A Biblical Institute for the study of the Life and Times of the Christ, March 1, 2, 3. The Institute held nine sessions and the attendance at the various sessions averaged 200. Addresses were given by Professor Ernest D. Burton and Associate Professor Shailer Mathews of the University, and Professor W. W. White of the Moody Institute.

The Economic Studies.

It is with some degree of satisfaction that the University presents to the public the first of its series of Economic Studies. This study, *The Science of*

Finance, by Gustav Cohn, has been translated by DR. VEBLEN. The author has coöperated in giving the translation a value which the original does not now possess. Other volumes of the series which will soon follow are, *History of the Union Pacific Railway*, by HENRY KIRKE WHITE; *The Indian Silver Currency*, by Karl Elstaetter, translated by PROFESSOR LAUGHLIN; *History of the Latin Union*, by HENRY PARKER WILLIS.

The Publication Department.

In order to explain the policy of the University in thus entering the field of publishing, I may be permitted to quote a paragraph from the ANNUAL REGISTER: "In the Constitution of the University special emphasis is laid upon research and investigation. It is not enough that instructors in a university should merely do the class and lecture work assigned them. This is important, but the university will in no sense deserve the name, if time and labor are not also expended in the work of producing that which will directly or indirectly influence thought and life outside the university. In other words, the responsibilities of the instructors are by no means limited to the work which is done in the class room. The university, including every member of the university, owes to the world at large a duty which cannot be discharged in the ordinary class-room exercise. The true university is the center of thought on every problem connected with human life and work, and the first obligation resting upon the individual members which compose it, is that of research and investigation. In order to encourage the members of the University to undertake this higher university work, and in order to provide means for the dissemination of results obtained in this work, the Publication Department of the Press has been established."

In this department the University now publishes THE JOURNAL OF POLITICAL ECONOMY, THE JOURNAL OF GEOLOGY, THE ASTROPHYSICAL JOURNAL, HEBRAICA (The American Journal of Semitic Languages and Literatures), THE BIBLICAL WORLD, THE UNIVERSITY EXTENSION WORLD. The work of the department increases with each quarter, and the influence of the University is thus extended in a way which no other means would make possible.

Special Announcements for the Spring Quarter.

It is desired to make special mention of the presence with us of the Rev. Dr. George Dana Boardman, of Philadelphia, who will serve the University the coming quarter as Chaplain, and as Professorial Lecturer in Ethics. Dr. Boardman will give courses of lectures at the University, and in the city at the Woman's Temple.

The first course of the Haskell lectures in Comparative Religion will be given on Sunday afternoons in May and June, in Kent Theatre, by the Rev. Dr. John Henry Barrows, Professorial Lecturer in Comparative Religion.

It is certainly worthy of note that, beginning with the present quarter, the University will offer regular courses of instruction in Egyptian language, literature, and archaeology. Dr. James Henry Breasted begins his work with the most thorough preparation ever secured by an American student in this department. This work, in addition to that which had before been organized in the Oriental languages, in connection with the Haskell Oriental Museum, to be completed within a year, should enable the University to make large contributions toward a better appreciation and understanding of Oriental life.

The Summer Quarter.

The success of the work in the Summer Quarter of 1894 was greater than had been anticipated. The provisions made for the summer of 1895 will be largely increased. The following instructors from other institutions have accepted appointments in the University for this quarter: Alexander Balman Bruce, D.D., Professor of New Testament Interpretation in Free Church College, Glasgow; Caspar René Gregory, Ph.D., Professor Ordinarius Honorarius of Theology in the University of Leipzig; Francis B. Gummere, Ph.D., Professor of English in Haverford College; Charles E. Davidson, A.M., Professor of English in Adelbert College; C. H. Thurber, A.M., Professor of Pedagogy in Colgate University; George Lincoln Hendrickson, A.B., Professor of Latin in the University of Wisconsin; A. M. Wilson, A.B., adjunct Professor in Latin in the University of Nebraska.

The total number of instructors for the quarter will be 86 at the University, 9 at the Academy at Morgan Park; in all 95. The number of courses of instruction offered is 171, of which 9 are in Philosophy, Pedagogy, and Apologetics, 2 in Political Economy, 2 in Political Science, 13 in History, 9 in Social Science and Anthropology, 1 in Comparative Religion, 24 in Semitic Languages and Literatures, 6 in Biblical and Patristic Greek, 3 in Sanskrit, 6 in Greek Language and Literature, 9 in Latin Language and Literature, 9 in Romance Languages and Literatures, 11 in Germanic Languages and Literatures, 18 in the English Language, Literature, and Rhetoric; 4 in Biblical Literature in English, 11 in Mathematics, 3 in Astronomy, 6 in Physics, 8 in Chemistry, 2 in Geology, 2 in Zoology, 2 in Physiology, 2 in Anatomy and Histology, 2 in Neurology, 5 in Paleontology, and 3 in Botany.

The instruction offered includes work in the Morphology and Physiology of marine animals given at Wood's Holl, Mass.; Palaeontological field-work in Dakota; Anthropological field-work in Mexico; Botanical field-work in the vicinity of Chicago, and Geological field-work in Wisconsin. The difference between the work of a summer school and the continuance of regular university work through a Summer Quarter will be appreciated by everyone.

In addition to the appointments already noted for the Summer Quarter, the Trustees have made the following new appointments in the Faculties of the University since January 1:

Mr. Norman Wyld to a Docentship in Zoology.

Dr. Louis A. Baur to a Docentship in Mathematical Physics.

Dr. Edmund Buckley, Fellow, to a Docentship in Comparative Religion.

Percy Burnett, Instructor in the University of Nebraska, to a Readership in German.

Addison W. Moore, Fellow, to a Laboratory Assistantship in Psychology.

James W. Thompson, Fellow, to an Assistantship in History.

Bradley M. Davis, of Harvard University, to an Assistantship in Botany.

Paul Oskar Kern, Instructor in Hyde Park High School, to a Tutorship in German.

James D. Bruner, Professor in the University of Illinois, Champaign, to an Assistant Professorship in Romance Languages and Literatures.

George B. Foster, Professor of Philosophy in McMaster University, Toronto, Canada, to an Associate Professorship in Theology.

E. R. L. Gould, Johns Hopkins University, to a Non-resident Professorship in Statistics.

E. E. Barnard, of the Lick Observatory, Mt. Hamilton, Cal., to a Professorship in Astronomy in connection with the Yerkes Observatory.

C. F. Millsbaugh, of the Field Columbian Museum, to lecture in Botany.

O. C. Farrington, of the Field Columbian Museum, to lecture in Geology.

D. G. Elliott, of the Field Columbian Museum, to lecture in Zoology.

Marion Talbot to be Dean of Women in the Graduate Schools.

Julia E. Bulkley to be Dean of Women in the Colleges.

Benjamin S. Terry to be Dean in the Colleges.

Promotions.

The following promotions in the Faculties of the University have been voted by the Trustees:

Kurt Laves, Reader, to an Assistantship in Astronomy.

Herbert Ellsworth Slaughter, Reader, to an Assistantship in Mathematics.

Jerome H. Raymond to a University Extension Assistantship in Sociology.

Ralph C. H. Catterall, Assistant, to a Tutorship in History.

Arthur T. Walker, Assistant, to a Tutorship in Latin.

A. M. Morrison, Assistant, to a Tutorship in Physics.

Albert C. Eycleshymer, Assistant, to a Tutorship in Anatomy.

Edmund C. Quereau, Assistant, to a Tutorship in Geology.

George Edgar Vincent, Assistant, to an Instructorship in Sociology.

William Isaac Thomas, Assistant, to an Instructorship in Sociology.

Francis Wayland Shephardson, Assistant, to a University Extension Instructorship in History.

René de Poyen-Bellisle, Assistant, to an Instructorship in Romance Languages and Literature.

Myra Reynolds, Assistant, to an Instructorship in English.

T. J. J. See, Assistant, to an Instructorship in Astronomy.

Massuo Ikuta, Assistant, to an Instructorship in Chemistry.

William Bishop Owen, Tutor, to an Instructorship in Greek.

Edwin Herbert Lewis, Tutor, to an Instructorship in English.

James Harrington Boyd, Tutor, to an Instructorship in Mathematics.

Ferdinand Schwill, Tutor, to an Instructorship in History.

Ernst Freund, Instructor, to an Assistant Professorship in Political Science.

Clifford H. Moore, Instructor, to an Assistant Professorship in Latin.

George C. Howland, Instructor, to an Assistant Professorship in Romance Languages and Literatures.

Robert Welch Herrick, Instructor, to an Assistant Professorship in English.

Felix Lengfeld, Instructor, to an Assistant Professorship in Chemistry.

S. Watasé, Instructor, to an Assistant Professorship in Zoology.

William Morton Wheeler, Instructor, to an Assistant Professorship in Zoology.

Edwin O. Jordan, Instructor, to an Assistant Professorship in Zoology.

Charles Zeublin, Instructor, to a University Extension Assistant Professorship in Sociology.

Frederick Starr, Assistant Professor, to an Associate Professorship in Anthropology.

Marion Talbot, Assistant Professor, to an Associate Professorship in Sociology.

Clarence F. Castle, Assistant Professor, to an Associate Professorship in Greek.

George Baur, Assistant Professor, to an Associate Professorship in Palæontology.

Jacques Loeb, Assistant Professor, to an Associate Professorship in Physiology.

Isaac B. Burgess, Associate Professor, to an Academy Professorship in Latin.

Joseph Paxson Iddings, Associate Professor, to a Professorship in Mineralogy.

R. A. F. Penrose, Jr., Associate Professor, to a Professorship in Economic Geology.

William Isaac Thomas, Instructor, to the Superintendency of the Departmental Libraries of Arts and Literature.

Zella A. Dixon, Assistant Librarian, to an Associate Librarianship.

Appointments to Other Institutions.

Among others, the following members of the University have received appointments in other institutions:

Thomas Cramer Hopkins, Fellow in Geology, to an Assistantship in the Geological Survey of Indiana.

G. W. Jones, Graduate Student, to a Professorship in the College at Hopedale, Ill.

Elwood Chappell Perisho, Graduate Student, to the Professorship of Geology and Physics, State Normal School, Platteville, Wis.

Alice Robson, Graduate Student, to an Instructorship in German in the Chicago Academy, Chicago, Ill.

James Archy Smith, A.M., Fellow in Mathematics, to the Professorship of Mathematics in Shurtleff College, Upper Alton, Ill.

W. Edgar Taylor, to be Acting Professor of Biology, Monmouth College, Ill.

Mary Wollpert, Graduate Student, to an Instructorship in German in Mrs. Sterrett's School, Oak Park, Ill.

Wm. Bashford Huff, Graduate Student, to an Assistantship in Mathematics in the Milwaukee High School.

Sarah McLean Hardy, Fellow, to an Instructorship in Economics, Wellesley College.

John Wilson Million, Fellow, to the Professorship of History and Political Economy and the Vice-Presidency of Hardin Ladies College, Mexico, Mo.

Gifts to the University Library.

The University desires to acknowledge the receipt of gifts to its General and Departmental Libraries from the following persons:

Mr. George H. Ellis, Mr. J. S. Ames, Mr. J. Winter, Professor H. H. Donaldson, Mrs. W. W. Everts, Mr. H. S. Pomeroy, Professor William G. Hale, Mr. Edward L. Pierce, Mr. Andrew T. Smith, Professor Oskar Bolza, Dr. F. I. Carpenter, Dr. E. Buckley, Mr. Aaron J. Messing, Mr. W. R. Harper, Professor Frank B. Tarbell, Mr. I. I. Glessner, Professor E. Hastings Moore, Mr. A. K. Goodwin, Associate Professor Frederick Starr, Mr. Walter Camp, Professor W. C. Wilkinson Dr. Harris Hancock, Mr. F. J. Coffin.

From the following publishers:

Ginn & Co.; University Press Co., New York; Thompson, Brown & Co.; Christopher Newer Co.; C. W. Bardeen; Maynard, Merrill & Co.; Leach, Shewell & Sanborn; Macmillan & Co.; American Book Co.; Houghton, Mifflin & Co.; Baker & Taylor Co.; Charles Collins; A. Flanagan; Harper & Bros.; D. C. Heath & Co.; Standard School Book Co.; Moravian Publishing Concern; Silver, Burdette & Co.; J. B. Lippincott Co.; Albert, Scott & Co.; John R. Potter & Co.; Allyn & Bacon; A. S. Barnes & Co.; E. H. Butler & Co.; Geo. Sherwood & Co.; Tracy, Gibbs & Co.; A. C. Armstrong & Son; Funk & Wagnalls Publishing Co.; G. P. Putnam's Sons; Effingham, Maynard & Co.; Henry Holt & Co. Also from the New Jersey State Geologist; the University of California; the Regents of the University of New York; the Sunset Club of Chicago.

Political and Economic Science.

Before closing, I wish to present to the members of the University and to its friends, in outline, a subject to which the Senate of the University has been giving careful thought for several months. In this statement, use has been made in part of material furnished by Mr. Laughlin, the Chairman of the Senate Committee. A study of the university life of half a century shows that the development of this life has been in strict accord with the general spirit of the times. It is within this period that facilities have been provided for introducing students to the vast regions of previously unknown facts about the physical surroundings and conditions of human life. Within a time still more limited, we find the beginnings of work in Political and Economic Science. This greater prominence in later times has been given to subjects in the Physical and Biological Sciences, and to the subjects in the Political and Economic Sciences, because the age has demanded it. The most marked characteristic in the development of university life in the last twenty-five years has been the adaptation of its methods and training to the practical problems of the age in which we live.

Very recently the university has begun to deal deliberately with the more complex facts of life itself

in its modern phases; and only yesterday, one might almost say, there has been introduced the scientific study of the various occupations of modern society, all of which make up the practical life in which the college student is destined to have a part. That the university thought of today has changed from that of fifty years ago, will be appreciated if one will but compare the typical university professor of 1845 with that of 1895. There are few modern faculties in which the old-fashioned professor, wise in theories and abstract conceptions, but as ignorant as a child of practical affairs, still survives. It is a fact, therefore, that university life and thought have been taking on more and more of the practical. But is this tendency to be encouraged? Is it true that, in times past, we have dealt too exclusively with subjects which have had no value in practical life? Or is there at this point serious danger that education will in time be narrowed into a merely technical training for some special pursuit? No one can deny that there is a liberal education in the study of political, commercial and social processes and principles, and of the relations of these processes and principles in one department of business to those of other departments. No one can deny, on the other hand, that experience has clearly taught the absurdity of limiting preparation for a practical life to the technical requirements of the particular branch of business which it is the purpose of the student to follow. It is certain that the evolution which has been steadily going forward will continue, but let it be equally certain that this development shall be properly directed. As a matter of fact, the evolution is in its earliest stage. Every field opened up by our modern civilization should be a field of systematic preparatory training. The university will be derelict in the performance of its duty if it does not enter these fields; for unless it does enter them, it will fail to produce the kind of man which is demanded for them.

The creative spirit in every branch of industry and commerce has differentiated new occupations, developed new processes and created a demand for a new kind of man. The times are asking not merely for men to harness electricity and sound, but for men to guide us in complex economic and social duties. Scientific laboratories in the new learning have been fitted to meet the needs of the age, and now scientific guidance and investigation of great economic and social matters of every day importance are the crying needs. Of ignorant and false prophets we have had enough. When we consider the actual practical demands in the community for enlightenment and training in the men who are to be our industrial and

political leaders, we may well stand amazed at the utter lack of such training. But how shall we expect to secure trained men when no opportunity for securing such training is to be found?

Out of the prodigious development of this modern life, note the vastness of the new occupations for which practically no provision has been made in our systems of university education.

(1) It has been truly said that the history of the United States cannot be properly written until the history of railways and transportation has been fully prepared. The magnitude of railway interests is phenomenally great in this country, since we have more miles of railway than all the rest of the world combined. And this city of Chicago, the greatest railway center in the United States, is thereby the greatest railway center in the world. It is not sufficient to say that investments of eleven thousand million dollars are at stake in this industry; for the economic, financial and social relations which have grown out of railways greatly transcend, in their vital importance to our national life, the merely pecuniary relations. Without the existing methods of travel and transportation our present civilization, even the everyday existence in our homes today, could not continue. And yet, an understanding of these tremendous economic and social forces, only recently bursting into gigantic development, is almost unknown. Only on the technical side have men been prepared and trained, as this growth has developed. To what institutions can one today send a youth who is certain to succeed to vast railway responsibilities, or who proposes to make railway management a career, like that of law or medicine? To the new needs, the university of the future is awakening; it should prepare and train men to meet these new issues and responsibilities. The university should train men, not for impossible or abstract relations, but for the life they must actually live.

(2) If we turn only slightly away from railways to their financial management, and to banking, a new cluster of problems appears. The agencies by which the vast accumulations of capital, home and domestic, are effectively distributed throughout the country to those industries and persons most certain to make the best use of them, become intertwined and complicated with the success of the smallest as well as the largest business interests of the land. As warders of domestic and foreign trade, they look out across the seas, and bring us the first news of international loss or gain. Out of our economic conditions has grown a complicated and sensitive system of transactions, which good or bad, touches, whether he wills it or not, the conven-

ience and prosperity of every person who holds a deposit, or writes a check. Two thousand or three thousand million dollars of discounts indicate but faintly how intimately on any one day, our industrial operations are affected by our banking systems. For a great profession like this, should not the young man be trained to see the forces lying behind the routine of everyday experience, and the mere rule-of-thumb training of the clerk or bookkeeper? The youth who chooses banking for a profession may justly ask the university to lead him to the door of his profession informed by the largest understanding of economic and financial questions. Why grant this help to the lawyer or physician and not to the banker?

(3) But, perhaps, there is no more startling lack in the educational machinery of today than in its inadequate means for training men to examine, scientifically and as experts, the financial and actuarial problems of insurance, and of large corporations. The creation of enormous investments to furnish protection against fire and death, has called upon peculiar mathematical and trained ability. The interests involved are stupendous; right or wrong management means comfort or loss to homes all over our land, and honor or failure to large and important institutions. These new problems—which must be clearly faced—have come in with the rise of corporate institutions. They are associated with the development, too, of a new part of law. The management of vast railway or financial institutions, by Boards of Directors, makes the expert accountant and actuary a person whose value is great—but who today is rarely to be found. The university should bring itself close to the life of the community by preparing men for these important functions. The serious railway reorganizations of recent years, and the impairment of the credit of our securities in foreign lands, have shown the lack of properly educated men in this vast field of commercial life; this lack should not be allowed to continue.

(4) Again, when we face the fact that probably over 90 per cent. of the men engaged in manufacturing and trade have accepted the tradition that education goes solely by experience with men, and by actual course of daily business routine, there is some explanation of existing lack of cultivation and of power for good in the community. Instead of leaving the high school for the counting-room, the aspirant for a manufacturing career should have made himself fit to handle thoroughly economic and ethical questions relating to employers and employed; to treat independently measures affecting our national monetary and taxation policies; to know the workings of banking and financial institutions in his country; to have grasped

the character of the industries and the commercial law of other and competing countries; to see the drift of municipal politics as shown in the experience and history of other nations. Without such training the ablest manager is crippled; without it the average person is unsuccessful. With such training the able man is a tower of strength; the average man is efficient. Why should there not be for these great classes a place in the institutions of learning, and disciplinary work of a practical character, fitted to make the youth familiar with economic principles and the facts and history directly auxiliary to his professional career in manufacturing and trade?

(5) We are just in the beginning of a development of our trade relations with other lands. We can only improve these relations by being equally intelligent and capable with other competitors. Other countries have made an honorable profession of the consular and diplomatic service, to which trained men look forward for a permanent career. The same cannot be said of the United States. These consular posts have been hitherto the rewards of political service. And even though the commerce and production of the United States might have been furthered by consuls trained in economic and political science, there has been no adaptation of our educational system to their particular needs. If there is no good training for consuls it is not likely that good consuls will exist. They should have special knowledge of the industries of the country to which they are sent; of the commercial law and diplomatic customs of the principal trading countries; a training in economics and history which will enable them to make masterly investigations into the trade and monetary conditions of the countries to which they are accredited; and a knowledge of the political and economic conditions at home which will allow them to see how we may meet foreign competitors. When training of such kind is offered and such men can be sent out, broadly rounded, from the university, there will be less reason for maintaining our present indefensible and injurious consular policy.

And—lastly—when we observe the power of the press, and the responsibility laid upon our politicians and statesmen, we find a great lack in their means of training. Why should an untrained man go into journalism or politics any more than into law or medicine? To discuss the last telegram from Europe the editor or statesman must have known the history of the great treaties since 1648, and the historical geography of Europe; or when a shot is fired in the Windward Passage, he must be familiar with international law, public and private; or when Congress is showered with bills on monetary subjects, he must know the

monetary experience of his own and other lands, and at least the simple facts of business and exchange. Constitutional law should be his most familiar tool. Journalism has various phases and meanings: but he who would lead the community must be able to think clearly on the multitude of economic, ethical, and political questions which are crowding on us every day for solution. It is a crime to be untrained; and it is clearly a dereliction of duty in the university not to arrange its courses of study so that efficient journalists and publicists may go forth with its *imprimatur* prepared for leadership. The study of law is not the one preparation required for Congress, when nine out of ten questions to be voted upon are economic or ethical. Is it not time that special courses of disciplinary studies be arranged by the university so that no candidate for public honors need say that he has had no opportunity to fit himself for the work? Not mere information, but power to think in the subject, and to have methods of acquiring information are the aims of such a system.

To provide opportunity for training in these lines is but a further development of what has already been done in the large institutions of the country.

Those who examined in detail the plans of the University of Chicago, when they were first announced, must have noticed two important features, both of which pointed directly toward a development of the work of the University in the direction here indicated. There were (1) the provision made for a fourth college, side by side with the College of Arts, the College of Literature, and the College of Science, called in the original bulletin, the College of Practical Arts; and (2) the very broad and full organization of the departments of History, Political Science, Political Economy, and Sociology. These departments, frequently reckoned in other institutions as a single department under one head, were subdivided in four, and over each a head professor was appointed. During the coming year the staff of History will contain eight instructors; that of Political Science, three; of Political

Economy, five; of Sociology, eight; in all twenty-four. It was plainly discerned that the work outlined above would soon be demanded of the University. What, under the circumstances, should be the University's policy? Clearly and unmistakably, to set the standard so high that the work proposed should have a value and a dignity equal to that of any part of the College curriculum.

As the other Colleges of the University are, in their organizations, merely the grouping together of certain courses, which, as thus united, constitute a special curriculum, so the new college, when established, will consist of such an arrangement of courses in industrial, political, and social subjects as, with the addition of certain more technical courses not now offered, will furnish a preparation with which men of liberalized minds may enter upon any portion of the practical business of the modern world. A well-known professor* in an Eastern institution has lately made the statement: "Of all things that a university should do for a man, the most important is to put him in possession of the materials for a systematic criticism of life."

It is in accordance with the principle which underlies this statement that the University has thus organized its courses into various curricula, in order that every man or woman might find an opportunity to do his work in those lines for which nature or, as I should prefer to say, God had adapted him. The only success in life is attained, when the individual has brought his life into harmony with the plan divinely appointed for that life, or, in other words, when he is doing that which nature intended him to do.

On behalf of the University, I desire to thank our many friends for the courtesy of their presence with us tonight, and for both the University and its friends, I wish to express to the honored guest and orator of the evening our appreciation of the spirit which prompted him, in spite of the duties and burdens of his busy life, to undertake for us the Convocation service.

*Professor Woodrow Wilson of Princeton College, in *The Forum*, September, 1894.

SCHOLARSHIPS.

A Scholarship in connection with the Spring examinations for admission was awarded to the following student:

WOODRUFF, HARVEY T. (The Chicago Academy).

DEGREES AND CERTIFICATES.

(Conferred at the Spring Convocation).

DEGREES.

DOCTOR OF PHILOSOPHY.

BERRY, GEORGE RICKER—A.B., Colby University, '85; A.M. *Ibid.*, '88; Graduate Student and Fellow in Semitic Languages and Literatures, University of Chicago, '92-5.

Department: *Semitic Languages and Literatures.*

Thesis: *The Letters of the Rassam II. Collection.*

(To be published in HEBRAICA.)

WOOD, FRANCIS ASBURY—A.B., Northwestern University, '80; A.M., *ibid.*, '83; Student of Germanic Philology at Göttingen, '88-90; Professor of Greek and Latin, Chaddock College, Quincy, Ill., '90-3; Fellow in German, University of Chicago, '93-5.

Department: *Germanic Languages and Literatures.*

Secondary Subjects: *The English Language, and Comparative Indo-European Philology.*

Thesis: I. *Verner's Law in Gothic.* II. *The Reduplicating Verbs in Germanic.*

MASTER OF ARTS.

DORMAN, JOHN BENJAMIN—A.B., Clinton Academy, '85; S.B., State University of Missouri, '91; Pe.B., *ibid.*, '91.

Department: *Political Science.*

Thesis: *Legislative Powers as possessed by the Political Units of our Commonwealths.*

BACHELOR OF ARTS.

BRANDT, BERKELEY.

HOEBEKE, CORNELIUS JAMES.

OESCHGER, WILLIAM.

BACHELOR OF PHILOSOPHY.

WOODS, WILLIAM BRENTON.

CERTIFICATES.

THE ACADEMIC COLLEGES.

BALLOU, SUSAN HELEN.

CHACE, HENRY THURSTON, JR.

EDMONSON, SAMUEL BOONE.

FRIEDMAN, JOSEPH C.

GOLOWENTCHITZ, EWEL.

HAY, MARY.

LAMAY, JOHN.

MAYNARD, MARY DUNCLEE.

MOORE, CARRIE SHELDON.

PEABODY, EARLL WILLIAM.

STAGG, STELLA ROBERTSON.

TOLMAN, CYRUS FISHER, JR.

VOIGHT, JOHN FREDERICK, JR.

WILLIAMS, CHARLES BYRON.

YUNDT, EMERY ROSCOE.

THE ENGLISH THEOLOGICAL SEMINARY

FRADENBURG, JOHN VICTOR.

Thesis: *The Battle of Naseby.*

ROBINSON, CHARLES WIRT.

Thesis: *The Causes of Christian Asceticism.*

SPEICHER, JOHN GABRIEL.

Thesis: *Wiclif and his gift to his Nation.*

IMPORTANT UNIVERSITY EVENTS.

DAY OF PRAYER FOR COLLEGES.

THURSDAY, JANUARY 21.

The Divisions of the University met at 11:30 A.M., as follows:

1. The Students of the Graduate Schools of Arts, Literature, and Science, in *Chapel, Cobb Lecture Hall*. Address by PROFESSOR PALMER, of Harvard University.
2. The Students of the Divinity School, in *Lecture Room, Cobb Lecture Hall*. Address by PROFESSOR BENJAMIN S. TERRY, on *The Risen Life*.
3. The University Colleges in the *Faculty Room*.

Address by the REV. WILLARD SCOTT, D.D. *The Student's Relation to the World*.

4. The Academic Colleges, in *Theatre, Kent Chemical Laboratory*. Address by ASSOCIATE PROFESSOR S. MATHEWS, on *The Living Christ*.

In the afternoon at 3:00 o'clock all the Divisions of the University met in *Theatre, Kent Chemical Laboratory*. An address was delivered by the REV. THOMAS C. HALL, D.D., Pastor of the Fourth Presbyterian Church, Chicago.

MEETING OF THE SEVERAL SCHOOLS OF THE UNIVERSITY,
WITH THEIR ADMINISTRATIVE BOARDS.

CHAPEL OR FACULTY ROOM, COBB LECTURE HALL, MONDAYS.

By order of the Council the usual Chapel exercise has been omitted on Mondays, the several schools meeting on that day of the week with their respective administrative boards. The following meetings have taken place from January 7 to the end of March, 1895:

1. THE GRADUATE SCHOOL OF ARTS, LITERATURE AND SCIENCE met with the Administrative Board of the Graduate School of Arts and Literature, and of the Ogden (Graduate) School of Science, on January 7. PROFESSOR ALICE FREEMAN PALMER on *Certain Qualifications of a Teacher*.

February 4 and 11. Discussion of the Report of the Committee on the formation of the Graduate Club.

March 11. Continuation of the discussion and adoption of a constitution.

2. DIVINITY CONFERENCE.—In place of the monthly meeting of the students and faculty of the Divinity School, there was held on alternate Mondays, at 4:30 P.M., in the *Chapel* a Divinity conference, at which papers were presented, followed by dis-

cussion. The programme for the Winter Quarter was as follows:

January 14. PRESIDENT HARPER in charge. Subject: *The Modern Preacher and Modern Criticism*.

January 21. DEAN HULBERT in charge. Subject: *The Pastor and Higher Education*.

February 4. ASSOCIATE PROFESSOR HENDERSON in charge. Subject: *The Pulpit and Socialism*.

February 18. ASSOCIATE PROFESSOR JOHNSON in charge. Subject: *Denominational vs. Inter-denominational Effort*.

March 4. ASSOCIATE PROFESSOR MATHEWS in charge. Subject: *Does Society Owe Ministers Special Favors?*

March 18. HEAD PROFESSOR BURTON in charge. Subject: *Prejudice Against Ministers, its Basis and its Correctives*.

- 3.-4. THE UNIVERSITY AND ACADEMIC COLLEGES OF ARTS, LITERATURE AND SCIENCE held their usual monthly meetings with their Administrative Boards.

OFFICIAL ACTION OF THE BOARD OF TRUSTEES.

The fees of the under-graduates shall be \$40.00 per Quarter for all students entering the University for the Quarter beginning July 1, 1895, and thereafter, provided that all students previously admitted continue upon the existing basis.

The quarterly fee, hereafter, shall be a single fee and entered upon the students' bills as one (1) item.

RECENT PUBLICATIONS.*

The following list enumerates recent publications by those who have been or are now members of this University. It is printed for the interest of their colleagues or friends, and is not supposed to be complete :

- ANGELL, JAMES R. Report of Bourdon's Article, "Influence de l'age sur la mémoire immédiate, *Revue Philosophique*, 1894." (*The Psychological Review*, I, No. 6.)
- BARROWS, JOHN HENRY. Henry Ward Beecher: the Shakespeare of the Pulpit. (New York, Funk & Wagnalls, 1894.)
The Ideal Woman, Her Perils and Opportunities. (*The Treasury*, September, 1894.)
Results of the Parliament of Religions. (*The Forum*, September, 1894.)
Professor David Swing—A Character Sketch. (*Altruistic Review*, Vol. III., No. 5, November, 1894.)
University Extension Among the Wage-Workers. (*University Extension*, October, 1894.)
Some Steps in Municipal Reform. (*Public Opinion*, March 21, 1895.)
Crisis in the Political Schools. (*American Journal of Politics*, August, 1894.)
- BAUR, GEORGE. The Relationship of the Lacertilian Genus *Anniella*, Gray. (*Proc. United States Nat. Mus.*, Vol. XVII., pp. 345-351. Washington, 1894.)
Bemerkungen über die Osteologie der Schlafengegend der höheren Wirbelthiere. (*Anat. Anz.*, Vol. X., No. 10, pp. 315-320. Jena, 1894.)
- BEMIS, E. W. The Coal Miners' Strike. (*The Outlook*, N. Y., May 12, 1894.)
The Homestead Strike. (*The Journal of Political Economy*, June, 1894.)
Relation of Labor Organisations to the American Boy and to Trade Instruction. (*Annals of the American Academy of Political and Social Science*, September, 1894.)
Coöperative Life Insurance. (*Johnson's Universal Encyclopedia*, new edition.)
Studies in Social Science. (*The Dial*, May 16, 1894.)
The Strength and Weakness of Socialism. (*Ibid.*, Aug. 16, 1894.)
University Extension among the Wage-workers. (*University Extension*, Philadelphia, October, 1894.)
The Problem of the Unemployed. (*Ibid.*, December 1, 1894.)
Some Steps in Municipal Reform. (*Public Opinion*, March 21, 1895.)
Civics in the Political Schools. (*American Journal of Politics*, August, 1894.)
Organisations of Capital, Organizations of Labor. What will be the Outcome? (*Sunset Club Year Book*, Chicago, 1892-3.)
- REVIEW OF:
Richard T. Ely's Socialism. (*The Dial*, August 16, 1894.)
Gray's Stellung der Privaten Beleuchtungs-gesellschaften zu Stadt und Staat. (*Political Science Quarterly*, March 1894.)
- BERGKRON, E. Eugénie Grandet, by Balzac. Edited, with Introduction, Selected Bibliography and Notes. (New York, Henry Holt & Co., 1895, pp. xxi.+280.)
- BOLZA, OSKAR. On the First and Second Logarithmic Derivatives of Hyperelliptic θ -Functions. (*American Journal of Mathematics*, Vol. XVII., No. 1, January, 1895.)
- BOYD, JAMES HARRINGTON. An Expression for the Surface of an Ellipsoid in Terms of Weierstrass' Elliptic Functions. (*The Annals of Mathematics*.)
An Application of Elliptic Functions to Geometry. (*The Annals of Mathematics*.)
The Determination of the Apparent Position of the Companion of a Double Star from certain Observations. (*Popular Astronomy*.)
Translation and Annotation of the Fourteenth Edition of *Leçons de Géométrie Analytique*, par MM. C. Briat et J. C. Bouquet.
- BREASTED, J. H. Important Discoveries in Egypt. (*The Biblical World*, January-June, 1894.)
- BUCK, CARL DARLING. Der Vocalismus der oakisohen Sprache. (Leipzig, Koehler's Antiquarium, 1892; pp. xvi and 219; price M. 7.50.)
Jackson's Avesta Grammar and Avesta Reader. (*American Journal of Philology*, Vol. XV.)
The Oscan-Umbrian Verb-System. (*Studies in Classical Philology of the University of Chicago*, Vol. I.; also in Preprint, University of Chicago Press, 1895.)
- BUCKLEY, EDMUND. Phallicism in Japan. (Chicago, The University of Chicago Press, 1895, 34 pp., 8vo.)
Thesis for the Degree of Doctor of Philosophy in the University of Chicago.
- BURTON, E. D. (and W. A. Stevens). Harmony of the Gospels for Historical Study. (Boston, Silver, Burdett & Co., 1894.)
Outline Handbook of the Life of Christ. (Boston, Silver, Burdett & Co., 1894.)
- BUTLER, NATHANIEL. On the Educational Possibilities of University Extension Work and Methods in Relation to Regular University Studies and University Degrees. (*Report of Proceedings of the University Extension Congress*, London, June, 1894, pp. 82-96.)
The same reprinted in the *University Extension World*, January, 1895, pp. 69-80.
University Extension in America. (*Campbell's Illustrated Monthly*, Chicago, November, 1894.)
The London Congress. (*The University Extension World*, October, 1894.)
The University Extension Class-courses of the University of Chicago. (*University Extension*, Philadelphia, Vol. IV., No. 6, p. 170.)
The Relation of Elocution to Literature. (*Proceedings of the Second Annual Meeting of the National Association of Elocutionists*, 1893, p. 284.)
- CALDWELL, WILLIAM. Review of Edward Douglas Fawcett's "Riddle of the Universe." (*The International Journal of Ethics*, July, 1894.)

* See QUARTERLY CALENDAR No. 9, May, 1894, pp. 25-33.

- CAPPS, EDWARD. *Vitruvius and the Greek Stage*. (Preprint from the *Studies in Classical Philology, of the University of Chicago*, Vol. I., The University of Chicago Press, 1893.)
The Side Entrance to the Greek Theater. (*Classical Review*, July, 1894.)
- REVIEW OF:
Weissmann's "Die scenische Aufführung der griechischen Dramen des 5. Jahrhunderts." (*Classical Review*, March, 1894.)
Excavations of the American School at Eretria. (*New York Nation*, August 2, 1894.)
- CARPENTER, FREDERIC I. *The History of English Literature*. (*The Dial*, Nov. 16, 1894.)
English Literature in American Libraries. (*Ibid.*, Dec. 16, 1894 and Jan. 1, 1895.)
The Study of Literature. □ (*Poet-Lore*, August-September, 1894.)
- CHAMBERLIN, T. C. Proposed Genetic Classification of Pleistocene Glacial Formations. (*The Journal of Geology*, Vol. II., No. 5, pp. 517-538.)
Glacial Studies in Greenland. (*Ibid.*, Vol. II., No. 7, pp. 649-666; No. 8, pp. 768-788.)
- REVIEW OF:
H. C. Lewis' Papers and Notes on the Glacial Geology of Great Britain and Ireland. (*Ibid.*, Vol. II., No. 7, pp. 747-750.)
- CLARKE, HENRY L. *The Missouri Botanical Garden*. (*Chicago Graphic*, Oct. 29, Nov. 12, and Nov. 19, 1892.)
Medicinal Plants of the Missouri Botanical Garden. (*Western Druggist*, Chicago, December, 1892, and January, 1893.)
Local Types of the Heath Family. (*Chicago Sunday Tribune*, April, 1893.)
Aquatic Types in the Local Flora. (*Chicago Sunday Tribune*, July, 1893.)
The Meaning of Tree-life—Geological. (*The American Naturalist*, Philadelphia, June, 1894.)
The Meaning of Tree-life—Geographical. (*Ibid.*, Philadelphia, July, 1894.)
University Field-work in Geology. (*Chicago Sunday Tribune*, September 1894.)
The Meaning of Tree-Life. (*The American Naturalist*, July, 1894.)
- CROW, MARTHA FOOTE. Will the Co-educated co-educate their Children? (*The Forum*, July, 1894.)
The Babies in the Street. A Poem. (*The Arena*, July, 1894.)
- CUMMINGS, JOHN. Monetary Standards. (*The Journal of Political Economy*, June, 1894.)
- REVIEW OF:
The Commissioner of Labor's Report on Compulsory Insurance in Germany. (*Ibid.*, December, 1894.)
- CUTTING, STARR W. Economy of Power; Address before the graduating class of the North Street School, Brattleborough, Vt. (*School Dial*, June, 1894.)
Should the Elementary Study of Grammar be chiefly Inductive? (*Publications of the Modern Language Association*, Vol. IX., No. 4, Appendix, pp. xix-xxiv., 1894.)
Der Conjunktiv bei Hartmann von Aue. (*University of Chicago Germanic Studies*, No. 1, University of Chicago Press, 1894.)
- DEWEY, JOHN. The Ego as a Cause. (*The Philosophical Review*, Vol. III., No. 3.)
The Chaos in Moral Training. (*Popular Science Monthly*, August, 1894.)
The Theory of Emotion. (1) Emotional Attitudes. (*The Psychological Review*, Vol. I., No. 6., November, 1894.)
The Philosophical Renaissance in America. (*The Dial*, Feb. 1, 1896.)
- DONALDSON, HENRY H. *The Education of the Nervous System*. (*The Educational Review*, Vol. IX., No. 2, February, 1895.)
Abstracts of Neurological Literature. (*Psychological Review*, 1894-95.)
- ETCLESHYMER, A. C., see EDWIN O. JORDAN.
- FREUND, ERNST. *The Law of the Administration in America*. (*Political Science Quarterly*, September, 1894.)
American Administrative Law. (*Ibid.*, September, 1894.)
- FULCOMER DANIEL. *New Views in Social Science*. (*The Interrogator*, February, 1893.)
A New Science of Education. (*The Interrogator*, April, 1893.)
A College Citizenship Course. (*The Interrogator*, June, 1893.)
A Sociological, Ideal View of Normal Schools. (*Proceedings of the International Congress of Education of the World's Columbian Exposition*, 1893, pp. 422-423. Published by the American Educational Association, New York, 1893.)
Instruction in Sociology in Institutions of Learning. (19 pp., 8vo. Reprinted from the *Proceedings of the National Conference of Charities and Correction*, Boston, 1894.)
- GORDON, C. H. Report on the Bevier Sheet (Sheet Report, No. 2), With Geologic and Topographic Map and Sheet of Sections, 75 pp. (*Geological Survey of Missouri*.)
Geology of Van Buren County, Iowa, with map. (*Geological Survey of Iowa*, Vol. III., 1894.)
Division of Drainage in Southeastern Iowa. (*Geological Survey of Iowa*, Vol. III., 1894.)
Stratigraphy of the Saint Louis and Warsaw Formations in Southeastern Iowa. (*The Journal of Geology*, Vol. III., No. 2.)
- REVIEW OF:
Iowa Geological Survey, Vol. I. (*The Journal of Geology*, Vol. I., No. 7.)
- HALE, GEORGE E. Some Recent Photographic Investigations of the Sun; read before the Boston Society of Arts, Oct. 25, 1893. (*Technology Quarterly*, Vol. VI., No. 4, December, 1893.)
Astrophysical Researches at the Kenwood Observatory: address before the Royal Astronomical Society of London, November, 1893. (*The Observatory*, December, 1894.)
Researches in Solar Physics; address before the Physikalische Gesellschaft zu Berlin. (*Verhandlungen der Physikalischen Gesellschaft zu Berlin*, Vol. XIII., No. 1.)
Sur les fauciles solaires. (*Comptes Rendus de l'Académie des Sciences*, Paris, Vol. CXVIII., p. 1173.)
On the Mounting of Large Telescopes. (*Knowledge*, July, 1894.)
On Some Attempts to Photograph the Solar Corona without an Eclipse. (*Astronomy and Astro-Physics*, No. 123, 1894.)
The Astrophysical Journal. (*Astronomy and Astro-Physics*, No. 130, 1894.)

- Spectro-Bolographic Investigations at the Smithsonian Astrophysical Observatory. (*The Astrophysical Journal*, February, 1895.)
- REVIEW OF:
Publications of the Lick Observatory, Vol. III. (*The Astrophysical Journal*, February, 1895.)
- HALE, W. G. The Anticipatory Subjunctive in Greek and Latin: A Chapter of Comparative Syntax. (Preprint from Vol. I. of the *Studies in Classical Philology of the University of Chicago*, pp. 1-92, The University of Chicago Press, October, 1894.)
- HANCOCK, ARTHUR B. Laplace on the Variation of the Latitude (*Popular Astronomy*, April, 1895.)
- HANCOCK, HARRIS. Eine Form des Additionstheorems für Hyperelliptische Functionen Erster Ordnung, pp. 4 to 43, *Inaugural Dissertation*, Berlin, Aug. 1, 1894.
On the Reduction of Kronecker's Modular Systems. (*The Quarterly Journal of Pure and Applied Mathematics*, No. 106, 1894, pp. 147-183.)
- HARPER, WM. R. Early Stories of the Book of Genesis. (*The Biblical World*, 1894.) 7. The Hebrew Stories of the Deluge (July, pp. 20 foll.). 8. The Deluge in other Literatures and in History (August, pp. 114 foll.). 9. Some [General Considerations Relating to Genesis, 1:11 (September, pp. 184 foll.). 10. The Human Element in the Early Stories of Genesis (October, pp. 266 foll.). 11. The Divine Element in the Early Stories of Genesis (November, pp. 346 foll.). 12. A Theory of the Divine and Human Elements in Genesis 1:11 (pp. 407 foll.).
- HENDERSON, C. R. A Catechism for Social Observation. (Boston, D. C. Heath & Co., 1894, 58 pp.)
Limitations of Arbitration. (*The Watchman*, Boston, August, 1894.)
Recent Sociological Studies. (*The Dial*, Sept. 16, 1894. Reprinted in the *Charities Review*, November, 1894.)
Sociology in the Divinity School. (*The Standard*, Chicago, November, 1894.)
Social Treatment of Criminals; paper before the National Prison Association, St. Paul, 1894.
Outdoor Relief in the United States; paper before the National Conference of Charities and Corrections, Nashville, 1894.
Public Relief and Private Charity. (*Proceedings of the International Congress of Charities, Correction and Philanthropy*, 1894. The Johns Hopkins Press.)
Formation of the Criminal Classes. (*Proceedings of the Baptist Congress*, Detroit, 1894.)
Some Recent Books on Social Subjects. (*The Dial*, March 16, 1895.)
- REVIEW OF:
Tolman and Hull's Handbook of Sociological References. (*The Journal of Political Economy*, December, 1894.)
- HENRY, W. E. What do we mean by "Literature." Communication. (*The Dial*, Dec. 1, 1894.)
- HERRICK, ROBERT W. Effect of Quarter System on Courses in English Composition. (*The Educational Review*, November, 1894.)
A Question in Art. (*Scribner's Monthly*, April, 1895.)
Literary Love Letters—A Modern Account. (*The Atlantic Monthly*, December, 1894.)
- HILL, WILLIAM. State Railways in Australia. (*The Journal of Political Economy*, December, 1894.)
- HIRSCH, EMIL G. On the Possibilities of Coöperation from the Jewish Standpoint. (*Proceedings of the First American Congress of Liberal Religious Societies*, Chicago, May 22-25, 1894.)
Ministerial Training. (*Ibid.*, p. 62.)
David Swing, the Post-Preacher. (1894; 27 pp., 12mo.; pamphlet.)
Giordano Bruno. (*The Reform Advocate*, Vol. IX., No. 1 pp. 5-8.)
Mohammed. (*Ibid.*, No. 10.)
- HOLMES, W. H. Are there Traces of Glacial Man in the Trenton Gravels? (*The Journal of Geology*, Vol. I., No. 1, pp. 15-37.)
Traces of Glacial Man in Ohio. (*Ibid.*, Vol. I., No. 2, pp. 147-163.)
- HOLST, H. E. VON. Briefe aus den Vereinigten Staaten. (*Deutsches Wochenblatt*, Berlin, July 14, Aug. 2, Dec. 6, 1894.)
Are We Awakened? (*Journal of Political Economy*, Vol. II., No. 4, September, 1894.)
Ought the United States Senate to be Abolished? (*The Monist*, October, 1894, pp. 1-21.)
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Thiers Redivivus. (*The Nation*, Feb. 7 and 14, 1895.)
Mirabeau and the French Revolution—A reply. (*The Dial*, Jan. 16, 1895.)
Lafayette and Mirabeau once more—A communication (*Ibid.*, March 1, 1895.)
- HOPKINS, T. C. Marbles and other Limestones. (Vol. IV. of *Annual Report of the Geological Survey of Arkansas*, 1890.)
- REVIEW OF:
Richard P. Bothwell's "The Mineral Industry, its Statistics, Technology, and Trade in the United States and Other Countries, from the Earliest Times to the End of 1892," Vol. 2; J. Edward Spurr's "The Iron Bearing Rocks of the Mesabi Range in Minnesota." (*The Journal of Geology*, Vol. II., No. 5, pp. 545-8; 545-6.)
- HOEWICH, ISAAC A. Review of Foote's Economic Legislation of all the States, Vol. I. (*The Journal of Political Economy*, December, 1894.)
- HOXIE, ROBERT F. Adequacy of the Customs-Revenue System. (*The Journal of Political Economy*, December, 1894.)
- IDDINGS, J. P. Editorial Notice of the Death of Professor George Huntington Williams. (*The Journal of Geology*, Vol. II., No. 5.)
George Huntington Williams; a biographical sketch. (*Ibid.*, Vol. II., No. 8.)
- JORDAN, EDWIN O. (with A. C. Eyleshymer). On the Cleavage of Amphibian Ova. (*The Journal of Morphology*, IX., 1894, No. 3.)
The Identification of the Typhoid Fever Bacillus. (*The Journal of the American Medical Association*, Dec. 22, 1894.)
- JUDSON, HARRY PRATT. Europe in the Nineteenth Century. (The Chautauqua-Century Press, 1894, Meadville, Pa. 348 pp., 8vo.)
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Lake Passaic—An Extinct Glacial Lake. (*Annual Report of the State Geologist of New Jersey*, 1893.)

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The Currency Problem.—Paper read before the Chicago Commercial Club, Oct. 27, 1894. (*The American Banker*, Oct. 31, 1894)

The Baltimore Plan of Bank Issues. (*The Journal of Political Economy*, December, 1894.)

LAWRENCE, THOMAS J. A Guide to International Law. (Boston, D. C. Heath & Co., 1894.)

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LAVES, KURT. Definitive Determination of the Orbit of Comet, 1879, V. (*The Astronomical Journal*, March, 1895.)

The Formule of Precession for Equatorial and Ecliptical Coordinates derived from the Polar Triangle. (*The Astronomical Journal*, March, 1895.)

LENGFELD, FELIX. Ueber die Ester der Säure $H_2S_2O_5$ (Thion-schweflige Säure). (*Berichte der deutschen Chemischen Gesellschaft*, Vol. XXVIII., p. 449.)

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On the Amido-ethers of Carbonic Acid. (*American Chemical Journal*, Vol. XVII., No. 2.)

LEWIS, EDWIN HERBERT. The History of the English Paragraph. (University of Chicago Press, 8vo., 200 pp., paper, 1894.)

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The Wolfsbane. A Novelette. (*Current Topics*, Vol. I., Nos. 1, 2, 3 and 4.)

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Burt's History of Modern Philosophy; Triggs's Browning and Whitman. (*Ibid.*, I., 2.)

Mr. Crawford's Later Books; Pater's Plato and Platonism; Latimer's France in the Nineteenth Century; Stedman's The Nature and Elements of Poetry. (*Ibid.*, I., 3.)

Shaler's The Interpretation of Nature; Moulton's Shakespeare as a Dramatic Artist; Thomas' Fair Shadow Land; James' The Real Thing. (*Ibid.*, I., 4.)

Sherman's Analytics of Literature. (*Ibid.*, I., 5.)

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Ueber den Nachweis von Contrastercheinungen im Gebiete der Raumeempfindungen des Auges. (*Pfäfer's Archiv*, 1895.)

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MEKEE, SIDNEY E. Pleasure and Pain Defined. (*The Philosophical Review*, January, 1895.)

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MOORE, E. H. On the Group of Holocentric Transformation of a Given Group into Itself. (*Bulletin of the American Mathematical Society*, December, 1894.)

MOULTON, RICHARD G. Four Years of Novel Reading. An Account of an Experiment in Popularizing the Study of Fiction. Edited, with an introduction. (Boston, D. C. Heath & Co., 1895.)

A Literary Study of the Bible. (Boston, D. C. Heath & Co., 1895.)

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CHANDLER, CHARLES, <i>Prof.</i>	5731 Monroe av.	DICKSON, LEONARD E., <i>Fel.</i> (D. 7)	5515 Woodlawn av.
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CHASE, CHARLES W., <i>Dir. Univ. Press.</i> (A. 3)	5543 Madison av.	DONALDSON, HENRY HERBERT, <i>Prof. and Dean.</i> (K. 42)	5428 Monroe av.
CHASE, WAYLAND JOHNSON, <i>Instr.</i>	Morgan Park.	ELLERMAN, FERDINAND, <i>Labor. Assist.</i> (R.)	5729 Kimbark av.
CHILD, CHARLES M., <i>Fel.</i>		ELLIOT, D. G., <i>Prof. Lect.</i> (Field Museum)	
CLAPP, CORNELIA M., <i>Fel.</i>	3154 Prairie av.	ERICKSON, FRANK M., <i>Fel.</i>	6461 Myrtle av.
CLARK, S. H., <i>Instr.</i> (K. Theatre)	5659 Washington av.	EYOLSHYMER, ALBERT C., <i>Tutor.</i> (K. 37)	6916 Cregier av.
CLOSSON, CARLOS C., Jr., <i>Instr.</i>	16 G.	FARRINGTON, OLIVER C., <i>Prof. Lect.</i>	5719 Monroe av.
COFFIN, FULTON J., <i>Fel.</i>	23 G.	FELSENTHAL, ELI B., <i>Trustee.</i>	472, 47th st.
CONGER, CHARLES T., <i>Assist.</i> (C. 9)	21 G.	FERTIG, JAMES W., <i>Fel.</i>	5722 Kimbark av.
COOKE, ELIZABETH, <i>Fel.</i>	Non-resident.	FOSTER, GEO. B., <i>Assoc. Prof.</i> (D. 2)	
CORNISH, ROBERT H., <i>Assist. Prof.</i>	Morgan Park.	FOWLER, FRANK HAMILTON, <i>Fel.</i>	5810 Drexel av.
CORTHELL, ELMER L., <i>Trustee.</i>	37 Bellevue pl.; 184 La Salle st.	FRANCE, WILMER C., <i>Reader.</i>	B.
COULTER, JOHN M., <i>Prof. Lect.</i>	Lake Forest.	FREUND, ERNST, <i>Asst. Prof.</i> (C. 10)	5536 Madison av.
CRANDALL, CLARK EUGENE, <i>Instr.</i> (D. 6)	5455 Monroe av.	GILLESPIE, WILLIAM, <i>Fel.</i>	351, 58th st.
CRANDALL, LATHAN A., <i>Trustee.</i>	4445 Berkeley av.	GOLDTHWAITE, NELLIE E., <i>Fel.</i>	38 F.
CRANDALL, REGINA K., <i>Fel.</i>	45 B.	GOODMAN, EDWARD, <i>Trustee.</i>	4406 Ellis av.
CROW, MARTHA FOOTE, <i>Assist. Prof.</i> (B. 16 and C. 14)	2970 Groveland av.	GOODSPEED, GEORGE STEPHEN, <i>Assoc. Prof.</i> (D. 16)	Hotel Barry.

* On leave of absence.

GORDIS, W. S., <i>Fel.</i>	5620 Ellis av.	HILL, WILLIAM, <i>Instr.</i>	16 G.
GORDON, CHARLES H., <i>Fel.</i>	6046 Washington av.	HINCKLEY, FRANCIS E., <i>Trustee.</i>	Lake Forest.
GOULD, ALICE B., <i>Fel.</i>		HIRSCH, EMIL G., <i>Prof.</i> (D. 16)	3612 Grand boul.
GOULD, E. R. L., <i>Prof.</i> (C. 3-8)		HOBBS, GLENN M., <i>Tutor.</i>	
GRANT, JOHN C., <i>Dean, Kenwood Institute.</i> 2011 Michigan av.		HOLDEN, WILLIAM H., <i>Trustee.</i>	500 W. Monroe st.
GREGORY, CASPAR R., <i>Prof. Lect.</i> (D. 16)		HOLMES, WILLIAM H., <i>Prof.</i>	
GROSE, HOWARD BENJAMIN, <i>Assist. Prof., Rec. and Registrar.</i> (A. 1)	37 D.	HOLST, HERMANN EDUARD VON, <i>Head Prof.</i> (C. 7)	255 E. 61st st.
GUNDERSEN, H., <i>Assist. Prof.</i> 7700 Wallace st., Auburn Park.		HOOVER, WILLIAM, <i>Assist. Prof.</i> (A. 5)	Athens, Ohio.
HALE, GEORGE E., <i>Assoc. Prof.</i> (Kenwood Observatory)	4545 Drexel boul.	HOPKINS, THOMAS CRAMER, <i>Fel.</i>	6149 Woodlawn av.
HALE, WILLIAM GARDNER, <i>Head Prof.</i> 5833 Monroe av.		HOWLAND, GEORGE C., <i>Assist. Prof.</i> (B. 12, 14 and 16)	5735 Washington av.
HAMILTON, D. G., <i>Trustee.</i>	2929 Michigan av.	HOXIE, ROBERT F., <i>Fel.</i>	5727 Kimbark av.
HAMMOND, THEODORE M., <i>Steward.</i> 6150 Ingleside av.		HULBERT, ERI BAKER, <i>Head Prof. and Dean.</i> (D. 6)	Hotel Barry.
HANCOCK, HARRIS, <i>Assist.</i>	5714 Kimbark av.	HUSSEY, GEORGE B., <i>Docent.</i> (B. 6-8)	24 G.
HARDING, WILLIAM F., <i>Fel.</i>	5816 Washington av.	HUTCHINSON, CHARLES L., <i>Treasurer.</i> 217 LaSalle st.; 2709 Prairie av.	
HARDY, SARAH McLEAN, <i>Fel.</i> 6023 Ellis av.		IDDINGS, JOSEPH PAXSON, <i>Prof.</i> (W.)	5536 Madison av.
HARPER, ROBERT FRANCIS, <i>Assoc. Prof.</i> (D. 13)	Windermere Hotel.	IKUTA, MASSUO, <i>Instr.</i> (K.)	344, 57th st.
HARPER, WILLIAM RAINEY, <i>President.</i> (D. 15)	59th st. and Lexington av.	JENSEN, NELS PETER, <i>Prof. and Dean.</i> †	2719 Indiana av.
HEIDEL, WILLIAM A., <i>Fel.</i>	5488 Ellis av.	JOFFE, SOLOMON A., <i>Fel.</i>	179 Johnson st.
HEIM, EPHRAIM M., <i>Fel.</i>	5727 Kimbark av.	JOHNSON, FRANKLIN, <i>Prof. and Dean.</i> (D. 11)	Hotel Barry.
HENDERSON, CHARLES RICHMOND, <i>Assoc. Prof. and Chaplain.*</i>	51, 53d st.	JONES, LAURA A., <i>Fel.</i>	21 F.
HENDRICKSON, GEORGE L., <i>Prof. Lect.</i> (B. 2 and 8)		JORDAN, EDWIN O., <i>Assist. Prof.</i> (K. 14)	5316 Jackson av.
HENRY, WILLIAM E., <i>Fel.</i>	5515 Woodlawn av.	JUDSON, HARRY PRATT, <i>Head Prof. and Dean of the Faculty.</i> (C. 9)	Hotel Barry.
HENSON, P. S., <i>Trustee.</i>	3249 S. Park av.	KENT, CHARLES F., <i>Instr.</i> (A. 5 and D. 16)	2 G.
HERRICK, ROBERT, <i>Assist. Prof.</i> (D. 1)	5747 Lexington av.	KERN, PAUL OSCAR, <i>Tutor.</i> (B. 10)	5827 Kimbark av.
HESSE, BERNHARD CONRAD, <i>Fel.</i>	5620 Ellis av.	KLENZE, CAMILLO VON, <i>Instr.</i> (B. 9 and 10)	270, 56th st.
HEWITT, C. E., <i>Financial Secretary of Theol. Union.</i> (A. 4)	5535 Lexington av.	KOHLSAAT, HERMANN H., <i>Trustee.</i>	2978 Prairie av.

*On leave of absence.

† Died May 14, 1886.

KÜMMEL, HENRY B., <i>Fel.</i>		MILLSPAUGH, C. F., <i>Prof. Lecturer.</i>	
LAGNEAU, LEA R. DE, <i>Instr.</i>	537, 55th st.	MONORIEF, J. W., <i>Assist. Prof.</i>	Field Museum.
	Morgan Park.	(D. 6)	6032 Ellis av.
LAGERGREEN, CARL G., <i>Prof. and Dean.</i>	Morgan Park.	MOORE, ADDISON W., <i>Labor. Assist.</i>	6025 Ellis av.
LAUGHLIN, J. LAURENCE, <i>Head Prof.</i>	5747 Lexington av.	MOORE, CLIFFORD H., <i>Assist. Prof.</i>	6032 Ellis av.
LAVES, KURT, <i>Assist.</i>	5836 Drexel av.	(B. 6)	
(R. 35)		MOORE, ELIAKIM HASTINGS, <i>Prof.</i>	5830 Washington av.
LAWRENCE, WILLIAM M., <i>Trustee.</i>	492 W. Monroe st.	(R. 36)	
LENGFELD, FELIX, <i>Assist. Prof.</i>	5515 Woodlawn av.	MORGAN, OSCAR T., <i>Fel.</i>	Des Moines, Ia.
(K. 10)		MORRISON, A. M., <i>Tutor.</i>	6027 Ellis av.
LEWIS, EDWIN H., <i>Instr.</i>	6032 Ellis av.	(R. 7)	
(D. 1 and 8)		MOERTEN, NELS H.,* <i>Assist. Prof.</i>	Morgan Park.
LINGLE, DAVID J., <i>Instr.</i>	477, 56th st.	MOSLEY, JOEL R., <i>Fel.</i>	5722 Kimbark av.
(R. 34)		MOULTON, RICHARD GREEN, <i>Prof.</i>	The Colonies Hotel.
LINSOOTT, HENRY FARRAR, <i>Fel.</i>	4000 Drexel boul.	MULFINGER, GEORGE A., <i>Reader.</i>	6046 Monroe av.
LOEB, JACQUES, <i>Assoc. Prof.</i>	6460 Monroe av.		
(Wood's Holl, Mass.)		MUNSON, JOHN P., <i>Fel.</i>	25 Perry av.
LOVETT, ROBERT MORSS, <i>Instr.</i>	17 Sn.	MYERS, G. W., <i>Fel.</i>	Munich, Germany.
(D. 1)		NEEDHAM, C. W., <i>Trustee.</i>	Washington, D.C.
MALLORY, HERVEY FOSTER, <i>Fel.</i>	Non-resident.	NEF, JOHN ULRIC, <i>Prof.</i>	Hotel Windermere.
MANN, CHARLES W., <i>Dean, Chicago Academy.</i>	786 W. Jackson st.	(K. 20 and 21)	
MASCHKE, HEINRICH, <i>Assist. Prof.</i>	5748 Kimbark av.	NEFF, THEODORE L., <i>Fel.</i>	543, 55th st.
(R. 36 and 38)			
MATHEWS, SHAILER, <i>Assoc. Prof.</i>	Hotel Barry.	NORTHRUP, GEORGE WASHINGTON, <i>Head Prof.</i>	5735 Monroe av.
(D. 2 and 6)		(D. 2)	
McCLINTOCK, WILLIAM D., <i>Assoc. Prof. and Dean.</i>	5817 Madison av.	OWEN, WILLIAM BISHOP, <i>Instr.</i>	429, 57th st.
(D. 9)		(B. 2)	
McLEISH, ANDREW, <i>Vice-Pres. of Trustees.</i>	Glencoe.	PALMER, ALICE FREEMAN, <i>Prof. and Dean.</i>	—
McLENNAN, S. F., <i>Labor. Assist.</i>	615, 55th st.	PARKER, ALONZO K., <i>Trustee.</i>	43½ Seeley av.
(R. 33)			
MEAD, ALBERT D., <i>Fel.</i>	17 Ray st.	PARKER, A. O., <i>Chief Eng. and Superintendent.</i>	248, 53d st.
MEAD, GEORGE H., <i>Assist. Prof.</i>	Jackson av. and 58th st.	PATRICK, F. W., <i>Trustee.</i>	Marengo.
MEYER, ADOLPH, <i>Docent.</i>	Kankakee.	PECK, FERD. W., <i>Trustee.</i>	1826 Michigan av.
MICHELSON, ALBERT A., <i>Head Prof.</i>	125, 51st st.	PEET, CHARLES E., <i>Fel.</i>	5620 Ellis av.
MILLER, ADOLPH C., <i>Prof.</i>	Hotel Barry.	PENROSE, R. A. F., JR., <i>Prof.</i>	5540 Monroe av.
(C. 3)		PERRIN, C., <i>Trustee.</i>	978 W. Adams st.
MILLER, FRANK JUSTUS, <i>Assist. Prof. and Assist.</i>	5410 Madison av.	PETERSON, F., <i>Trustee.</i>	Minneapolis, Minn.
<i>Exam.</i>			
MILLER, MERTON L., <i>Assist.</i>	5492 Ellis av.	PILLSBURY, HON. GEORGE A., <i>Trustee.</i>	Minneapolis, Minn.
MILLION, JOHN W., <i>Fel.</i>	3226 Calumet av.		

* Resigned.

POYEN-BELLISLE, RENÉ DE, <i>Instr.</i>	174 Oakwood boul.	SMALL, ALBION W., <i>Head Prof.</i>	5731 Washington av.
PRICE, IRA MAURICE, <i>Assoc. Prof.</i>	Morgan Park.	(C. 10)	
RAYCROFT, J. E., <i>Assist.</i>	21 Sn.	SMALL, CHARLES PORTER, <i>Exam. Physician.</i>	(Waite Block), 53d st. and Lake av.
(Gymnasium).		SMITH, ALEXANDER, <i>Assist. Prof.</i>	5724 Madison av.
RAYMOND, JEROME H., <i>Assist. and Sec. Class-study.</i>	6054 Sheridan av.	SMITH, FREDERICK A., <i>Trustee.</i>	25, 132 La Salle; Hotel Metropole.
(A. 5)		SMITH, J. A., <i>Trustee.</i>	69 Dearborn st.
READ, ELIPHALET A., <i>Fel.</i>	129 D.	SMITH, JAMES ARCHY, <i>Fel.</i>	326, 57th st.
REYNOLDS, MYRA, <i>Instr.</i>	F.	(R. 38)	
(D. 8)		SMITH, WAYNE P., <i>Hon. Fel.</i>	
REYNOLDS, EMILY K., <i>Fel.</i>	10 F.	SMITH, WILLARD A., <i>Trustee.</i>	1525 Old Colony; 3256 Rhodes av.
ROBERTSON, GEO. EUSTIS, <i>Cashier.</i>	5646 Monroe av.	SQUIRES, VERNON PURINTON, <i>Fel.</i>	14 G.
(A. 1)		STAGG, A. ALONZO, <i>Assoc. Prof.</i>	5728 Madison av.
ROBERTSON, JOSEPHINE C., <i>Cataloguer.</i>	5718 Kimbark av.	(Gymnasium)	
(General Library)		STAER, FREDERICK, <i>Assoc. Prof.</i>	5800 Jackson av.
ROBERTSON, LUANNA, <i>Instr.</i>	Morgan Park.	STETSON, HERBERT LEE, <i>Dean, Des Moines College.</i>	Des Moines, Iowa.
ROCKEFELLER, JOHN D., <i>Trustee.</i>	New York, N. Y.	STIEGLITZ, JULIUS, <i>Instr.</i>	5479 Lexington av.
ROWLEY, F. H., <i>Trustee.</i>	Oak Park.	(K. 24)	
RUST, HENRY A., <i>Comptroller.</i>	1 Aldine Square.	STRATTON, ALFRED W.	
(A. 7)		(B. 3)	
RYERSON, MARTIN A., <i>President of Trustees.</i>	701 Chamber of Commerce Building; 4851 Drexel Boulevard.	STRATTON, SAMUEL W., <i>Assoc. Prof.</i>	5717 Madison av.
SALISBURY, ROLLIN D., <i>Prof. and Dean.</i>	5540 Monroe av.	STRONG, CHARLES A., <i>Assoc. Prof.</i>	Hotel Windermere.
(W.)		STUART, HENRY W., <i>Fel.</i>	6025 Ellis av.
SANDELL, ERIC,* <i>Assist. Prof.</i>	Morgan Park	SWARTZ, SAMUEL ELLIS, <i>Fel.</i>	5622 Ellis av.
SCHOBINGER, JOHN J., <i>Dean, The Harvard School.</i>	Morgan Park.	TALBOT, MARION, <i>Assoc. Prof. and Dean.</i>	7 Kl.
SCHWILL, FERDINAND, <i>Instr.</i>		TARBELL, FRANK BIGELOW, <i>Prof.</i>	5536 Madison av.
(C. 8 and 9)		TERRY, BENJAMIN S., <i>Prof. and Dean.</i>	5835 Madison av.
SCOFFIELD, CORA L., <i>Fel.</i>	35 B.	(C. 7)	
SCRIBNER, S. A., <i>Trustee.</i>	Room 303, 169 Jackson; 226 Ashland boul.	THATCHER, OLIVER JOSEPH, <i>Assoc. Prof.</i>	28 G.
SCROGIN, L. P., <i>Trustee.</i>	Lexington.	(C. 3.)	
SEE, T. J. J., <i>Instr.</i>	5714 Kimbark av.	THOMAS, WILLIAM ISAAC, <i>Instr.</i>	6420 Lexington av.
(R. 35)		(C. 10)	
SHEPARDSON, FRANCIS WAYLAND, <i>Instr.</i>	5475 Kimbark av.	THOMPSON, JAMES WESTFALL, <i>Assist.</i>	301, 56th st.
(C. 7)		(C. 8)	
SHIPLEY, FREDERICK W., <i>Fel.</i>	14 G.	THURBER, CHARLES H., <i>Prof.</i>	
SHOREY, DANIEL L., <i>Trustee.</i>	5520 Woodlawn av.	(C. 13)	
SHOREY, PAUL, <i>Prof.</i>	5516 Woodlawn av.	TOLMAN, ALBERT H., <i>Assist. Prof. and Assist. Exam.</i>	5490 Monroe av.
SLAUGHT, HERBERT E., <i>Assist.</i>	5535 Madison av.		
(R. 38)			

*Resigned.

TREADWELL, A. L., <i>Fel.</i>		WEST, MAX, <i>Docent.</i>	
TRIGGS, OSCAR L., <i>Docent.</i>	Oxford, O.	(C. 10)	The Chicago Commons, 140 N. Union.
(D. 8)	21 G.	WHEELER, WILLIAM MORTON, <i>Assist. Prof.</i>	
TUFTS, JAMES H., <i>Assoc. Prof.</i>	7154 Euclid av.	(K. 37)	324, 57th st.
(C. 17)	5748 Kimbark av.	WHITEHEAD, LOUIS G., <i>Fel.</i>	5329 Greenwood av.
TUNELL, GEORGE, <i>Fel.</i>		WHITMAN, CHARLES O., <i>Head Prof.</i>	
VAN HISE, C. R., <i>Prof.</i>	Madison, Wis.	(Wood's Holl, Mass.)	223, 54th st.
VEBLEN, THORSTEIN B., <i>Tutor.</i>	573, 61st st.	WHITNEY, ALBERT WURTS, <i>Fel.</i>	5815 Madison av.
VINCENT, GEORGE E., <i>Instr.</i>	Hotel Windermere.	WIGHTMAN, A. R., <i>Assist.</i>	Morgan Park.
VOTAW, CLYDE WEBER, <i>Tutor.</i>	437, 61st st.	WILKINSON, WILLIAM CLEAVER, <i>Prof.</i>	361 E. 58th st.
(D. 16)		WILLETT, H. L., <i>Acting Dean.</i>	5716 Kimbark av.
WADSWORTH, F. L. O., <i>Assist. Prof.</i>		WILLIAMS, LEIGHTON, <i>Trustee.</i>	New York, N. Y.
(R. 7)		WILLIAMS, WARDNER, <i>Assist.</i>	5812 Drexel av
WAIT, W. W., <i>Trustee.</i>	124 Washington boul.	(K. Theatre)	
WALCOTT, CHARLES DOOLITTLE, <i>Prof.</i>	Washington, D. C.	WILSON, ALFRED M., <i>Assoc. Prof.</i>	Morgan Park.
WALKER, ARTHUR TAPPAN, <i>Tutor.</i>	5810 Drexel av.	WITKOWSKY, ESTHER, <i>Fel.</i>	2802 Prairie av.
(B. 7 and 8)	143 D.	WIETH, ALBRECHT H., <i>Docent.</i>	6047 Ellis av.
WALKER, DEAN AUGUSTUS, <i>Fel.</i>		(C. 8)	
WALKER, FLORENCE M., <i>Fel.</i>	5620 Ellis av.	WISHART, A. W., <i>Fel.</i>	5825 Kimbark av.
WALKER, GEORGE C., <i>Trustee.</i>	567 The Rookery; 228 Michigan av.	WOLD, THORE OLSEN,* <i>Instr.</i>	Morgan Park.
WARTENBERG, H. SCHMIDT., <i>Assist. Prof.</i>	5700 Kimbark av.	WOOD, F. A., <i>Fel.</i>	5825 Jackson av.
(B. 9 and 10)		WOODRUFF, CHARLES E., <i>Fel.</i>	26 D.
WATASE', S., <i>Assist. Prof.</i>	324, 57th st.	WYLD, NORMAN, <i>Docent.</i>	5338 Madison av.
(Wood's Holl)	47 F.	(W.)	
WEATHERLOW, JANE K., <i>Fel.</i>		YOUNG, J. W. A., <i>Instr.</i>	5758 Washington av.
WELCH, JEANETTE C., <i>Fel.</i>	5620 Ellis av.	(R. 36 and 38)	
WEST, GERALD M., <i>Docent.</i>	623, 55th st.	ZEUBLIN, CHARLES, <i>Assist. Prof.</i>	6052 Sheridan av.
		(A. 5).	

* Resigned.

CLASSIFICATION AND DIRECTORY OF STUDENTS IN ATTENDANCE, SPRING QUARTER, 1895.

ABBREVIATIONS.

ABBREVIATIONS: B.=Beecher Hall; D.=Divinity Dormitory; F.=Nancy Foster Hall; G.=Graduate Dormitory; Kl.=Kelly Hall; Sn.=Snell Hall.

Numerals prefixed to these abbreviations designate the number of room or rooms in particular Halls.

THE GRADUATE SCHOOL OF ARTS AND LITERATURE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Aber, William Martin,	A.B. (Yale University) '78. Latin, Greek. 2.	Chicago.	433, 57th st.
Alden, George Henry,	S.B. (Carleton College) '91; A.B. (Harvard University) '93. History, Political Science. 5.	Waseca, Minn.	5800 Jackson av.
Allen, Cora Adell,	Ph.B. (Hiram College) '92. English, Philosophy. 2.	Akron, O.	552 E. 55th st.
Allis, Edward Stanley,	A.B. (Syracuse University) '92. Greek, Latin, Political Science, Psychology.	Chicago.	37 Seeley av.
Ames, Edward Scribner,	A.B. (Drake University) '89; D.B. (Yale University) '92. Philosophy, Psychology. 3.	Chicago.	5492 Ellis av.
Amlie, Thomas R.,	S.B. (Iowa State Normal) '89; Ph.B. (Ibid.) '94. Latin, English. 2.	Ridgeway, Ia.	5622 Ellis av.
Anderson, Clara Potter,	S.B. (Wellesley College) '83. English. 1.	Kalamazoo, Mich.	F.
Atwater, Charles Jackson,	A.B. (Hiram College) '88. Latin, Greek. 2.	Hastings, Neb.	6047 Ellis av.
Atwater, Ellen Elizabeth,	A.B. (Cotner University) '91. History. 2.	Hastings, Neb.	6047 Ellis av.
Bailey, Leslie Adelbert,	A.B. (Haverford College) '83; A.M. (Ibid.) '94. Latin, Greek. 2.	Dresden Mills, Me.	6126 Wharton av.
Baird, Phil Castor,	A.B. (Amity College) '91; A.M. (Ibid.) '94. Semitic. 2.	College Springs, Ia.	6124 Wharton av.
Balch, Emily Greene,	A.B. (Bryn Mawr College) '89. Political Economy, Sociology.	Jamaica Plain, Mass.	Hotel Barry.
Baldwin, James Fosdick,	A.B. (Denison University) '93. History. 2.	Granville, O.	5831 Madison av.
Ball, Fanny Danforth,	A.B. (University of Michigan) '83. History. 2.	Grand Rapids, Mich.	5622 Ellis av.
Barrett, Don Carlos,	A.B. (Earlham College) '89; A.M. (Ibid.) '93. Political Economy, Political Science. 5.	Spring Valley, O.	326, 57th st.
Bartlett, Emeline Barstow,	A.B. (Vassar College) '94. Greek, Comparative Philology. 2.	Providence, R. I.	F.
Beardale, George,	Ph.B. (University of Iowa) '93. English. 2.	Burlington, Ia.	5800 Jackson av.
Bender, Wilbur H.,	S.B. (State University of Iowa). Political Science, History.	Iowa City, Ia.	5454 Ingleside av.
Blaine, Harriet Gertrude,	A.B. (Oberlin College) '90. Greek, Latin. 5.	Oberlin, O.	F.
Boyd, Carl Evans,	Ph.B. (University of Michigan) '94. Political Science, History, Political Economy. 1.	Noblesville, Ind.	5620 Ellis av.
Boyd, Mary Anna,	A.B. (Trinity University) '92. Mathematics, English. 1.	Tehuacana, Tex.	588 Ellis av.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Brown, Bertha Mary,	S.B. (<i>St. Lawrence University</i>) '87. German, English. 2.	Crary Mills, N. Y.	6126 Wharton av.
Burnham, Mary,	A.B. (<i>Oberlin College</i>) '94. Philosophy. 2.	Burlington, Kans.	473, 56th st.
Calvert, George Chambers,	Ph.B. (<i>DePauw University</i>) '93; A.M. (<i>Ibid.</i>) '94. Political Economy, Political Science. 2.	Charleston.	6009 Ellis av.
Chase, Cleveland King,	A.B. (<i>Fisk University</i>) '90; A.B. (<i>Oberlin College</i>) '91. Latin, Archaeology. 5½.	Nashville, Tenn.	5802 Jackson av.
Clark, Hannah Belle,	A.B. (<i>Smith College</i>) '87. Social Science. 8.	Chicago.	5312 Madison av.
Cobb, Wilbur Cliff,	A.B. (<i>Cornell College</i>) '89; A.B. (<i>Harvard University</i>) '94. Latin, Greek. 2.	Vinton, Ia.	291, 61st st.
Coffin, Fulton Johnson,	A.B. (<i>Dalhousie College</i>) '87; A.M. (<i>Prince- ton College</i>) '89. Comparative Religion, Semitic. 3.	Mt. Stewart, Prince Edward Isl. Canada.	5551 Monroe av.
Crandall, Regina Katherine,	A.B. (<i>Smith College</i>) '90. History, Political Science. 5.	Brooklyn, N. Y.	45 B.
Cutler, Susan Rhoda,	A.B. (<i>Western Reserve University</i>) '85. Romance. 6½.	Talladega, Ala.	438, 57th st.
Daniels, Lulu Celeste,	L.B. (<i>University of Wisconsin</i>) '79. Political Science, History. 3.	LaCrosse, Wis.	5700 Kimbark av.
Daniels, Mary Lucretia,	A.B. (<i>University of Chicago</i>) '94. Latin, Greek. 1½.	New Haven, Conn.	F.
Davidson, Hannah Frances,	A.B. and A.M. (<i>Kalamazoo College</i>) '84. English. 1.	Abilene, Kan.	455 E. 55th st.
Davies, Anna Freeman,	A.B. (<i>Lake Forest University</i>) '89; A.M. (<i>Ibid.</i>) '91. Social Science. 8.	Lake Forest.	Lake Forest.
Davis, Walter Scott,	A.B. (<i>DePauw University</i>) '89; A.M. (<i>Corn- ell University</i>) '92. History, Political Science. 6.	North Salem, Ind.	5722 Kimbark av.
Denny, Charles Oscar,	A.B. (<i>Drake University</i>) '89; A.M. (<i>Ibid.</i>) '91. Latin, Greek.	Des Moines, Ia.	541, 55th st.
Dunn, Arthur William,	A.B. (<i>Knox College</i>) '93. Social Science, Zoology. 5.	Galesburg.	5800 Jackson av.
Durbin, Eva Comstock,	S.B. (<i>Hilldale College</i>) '75; S.M. (<i>Ibid.</i>) '78. History. 6.	Chicago.	455, 55th st.
Dye, Friend Taylor,	A.B. (<i>Marietta College</i>) '91. Sociology. 4½.	Lockhart's Run, W. Va.	573 E. 61st st.
Ela, Mary H.,	A.B. (<i>University of Wisconsin</i>), English, Latin.	Rochester, Wis.	5620 Ellis av.
Ely, Marion Angelina,	A.B. (<i>Wellesley College</i>) '89. English.	Chicago.	2 F.
Erickson, Frank Morton,	A.B. (<i>Wabash College</i>) '92. Greek, Sanskrit. 2.	Kendallville, Ind.	6461 Myrtle av.
Ewing, Addison Alvord,	A.B. (<i>Amherst College</i>) '92. Semitic. 3½.	Danvers, Mass.	151 D.
Farr, Finis King,	C.E. (<i>Cumberland University</i>) '89; D.B. (<i>Ibid.</i>) '94. Semitic. 3.	Kansas City, Mo.	53 D.
Faulkner, Elizabeth,	A.B. (<i>Old University of Chicago</i>) '85. Greek. 4½.	Chicago.	98 Oakwood av.
Fertig, James Walter,	A.B. (<i>University of Nashville</i>) '90; A.M. (<i>Ibid.</i>) '91. History, Political Science. 6.	Nashville, Tenn.	5722 Kimbark av.
Forrest, Albertina Allen,	Ph.B. (<i>Hiram College</i>) '93. English, Philosophy. 2.	Chicago.	552 E. 55th st.
Forrest, Jacob Dorsey,	A.B. (<i>Hiram College</i>) '92; A.M. (<i>Ibid.</i>) '92. Sociology, Political Economy. 2.	Chicago.	552 E. 55th st.
Fowler, Frank Hamilton,	A.B. (<i>Lombard University</i>) '90. Sanskrit. Comparative Philology, Latin. 8½.	Bradford.	5810 Drexel av.
France, Wilmer Cave,	A.B. (<i>Cambridge University, England</i>) '92. Greek, Latin. 4.	Tysley, Warwick- shire, Eng.	B.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. Semitic. 8½.	Chicago.	455 E. 55th st.
Fulcomer, Daniel.	A.B. (<i>Western College</i>) '84; A.M. (<i>Ibid.</i>) '88. Social Science, Pedagogy. 6.	Grand Rapids, Mich.	689 E. 57th st.
Gardner, William Howatt,	A.B. (<i>Brown University</i>) '89; D.B. <i>Newton Theological Institution</i>) '92. Sociology, Political Economy, History.	Stafford Sp'gs, Conn.	5535 Madison av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Gaud, William Steen,	A.B. (<i>University of Chicago</i>) '93. English. 2.	Chicago.	5610 Madison av.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. New Test. Greek, Semitic. 8.	Chicago.	5630 Kimbark av.
Hadley, William Aaron,	A.B. (<i>Earlham College</i>) '81; A.M. (<i>University of Minnesota</i>) '89. German, Latin, French. 1.	Minneapolis, Minn.	5800 Jackson av.
Haigazian, Armenag,	A.B. (<i>Central Turkey College, Aintab, Turkey</i>) '81. Semitic. 2.	Hadjin, Turkey.	96 D.
Harding, William Fletcher,	A.B. (<i>University of Indiana</i>) '93. Political Economy, Political Science. 2.	Indianapolis, Ind.	5816 Washington av
Hardy, Sarah McLean,	Ph.B. (<i>University of California</i>) '93. Political Economy, History. 5.	Berkeley, Cal.	6030 Ellis av.
Harris, Norman Dwight,	Ph.B. (<i>Yale University</i>) '92. History. 2.	Chicago.	4520 Drexel boul.
Hastings, Charles Harris,	A.B. (<i>Bowdoin College</i>) '91. History, Social Science. 5.	Bethel, Me.	440, 57th st.
Heidel, William Arthur,	A.B. (<i>Central Wesleyan College</i>) '88; A.M. (<i>Ibid.</i>) '91. Greek, Latin. 3.	Warrington, Mo.	5488 Ellis av.
Heim, Ephraim M.,	A.B. (<i>Bucknell University</i>) '93. History, Political Science. 2.	Warrens ville, Mo.	5727 Kimbark av.
Henry, William Elmer,	A.B. (<i>University of Indiana</i>) '91; A.M. (<i>Ibid.</i>) '92. English, Philosophy. 4.	Greentown, Ind.	5515 Woodlawn av.
Herrick, Jullien Avery,	S.B. (<i>La Grange College</i>) '92. Philosophy. 7.	La Grange, Mo.	129 D.
Herron, Belva Mary,	L.B. (<i>University of Michigan</i>) '89. Political Economy, Sociology. 6.	St. Louis, Mo.	B.
Hervey, Joseph Lincoln,	A.B. (<i>Hopedale College</i>) '88; A.M. (<i>Ibid.</i>) '89; Diploma (<i>Allegheny Theological Seminary</i>) '88. Semitic.	Pueblo, Colo.	6556 Perry av.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. Systematic Theology. 7.	Pavilion.	10137 Jefferson av.
Hosford, Frances Juliette,	A.B. (<i>Oberlin College</i>) '91. Latin. 2½.	Oberlin, O.	6218 Woodlawn av.
Howerth, Ira Woods,	A.B. (<i>Harvard University</i>) '93. Social Science, Political Economy. 6.	Chicago.	5800 Jackson av,
Hoxie, Robert Franklin,	Ph.B. (<i>University of Chicago</i>) '93. Political Economy, History. 5.	Yorkville, N. Y.	5727 Kimbark av.
Hussey, George Benjamin,	A.B. (<i>Columbia College</i>) '84; Ph.D. (<i>Johns Hopkins University</i>) '81. Latin, Greek. 2.	East Orange, N. J.	29 G.
Hutchison, Katharine Irwin,	A.B. (<i>Monmouth College</i>) '81; A.M. (<i>Ibid.</i>) '84. Philosophy, Greek. 2.	Cherokee, Ia.	5558 Lexington av.
Jaffa, Meir,	A.B. (<i>Columbia College</i>) '94. Semitic. 2.	Lilienthal, Germany. 2 Sn.	
Jones, Florence Nightingale,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>State University of Nebraska</i>) '91. Comparative Philology, Latin. 6.	Lincoln, Neb.	155, 53d st.
Jones, Haydn Evan,	A.B. (<i>Richmond College</i>) '90; D.B. (<i>Crozer Theological Seminary</i>) '93. Semitic. 2.	St. Clair, Pa.	128 D.
Jones, Jessie Louise,	A.B. (<i>Doane College</i>) '84. German. 6½.	Lincoln, Neb.	155, 53d st.
Jones, Laura Amelia,	A.B. (<i>Wellesley College</i>) '82; A.M. (<i>Ibid.</i>) '91. Biblical History, Semitic. 8.	Chelsea, Mass.	F.
Jude, George Washington,	A.B. (<i>Otterbein University</i>) '91. History, Political Economy. 5½.	Sugar Grove, Pa.	5739 Kimbark av.
Keith, Eleanor May,	Ph.B. (<i>University of Chicago</i>) '94. English, History. 2.	Ottawa, Kans.	5724 Drexel av.
Kern, Paul Oscar,	(<i>Berlin University, Germany</i>) German. 7.	Chicago.	5827 Kimbark av.
Kirkwood, Agnes Jean,	A.B. (<i>College of Emporia, Kans.</i>) '92. English, Latin. 2.	Wooster, O.	F.
Knox, Frances Ada,	A.B. (<i>University of Minnesota</i>) '92. History, Political Science. 6.	Salem, Ore.	6121 Ellis av.
Kruse, William Henry,	A.B. (<i>University of Chicago</i>) '94. Greek, Latin. 2.	Beecher.	5492 Ellis av.
Learned, Henry Barrett,	A.B. (<i>Harvard University</i>) '90; A.M. (<i>University of Chicago</i>) '94. History, Political Economy. 5.	St. Louis, Mo.	13 G.
Linfield, Frances Eleanor Ross,	A.B. (<i>Elmira College</i>) '73; A.M. (<i>Ibid.</i>) '78. English, German. 2.	Beaver Dam, Wis.	3715 Langley av.
Linscott, Henry Farrar,	A.B. (<i>Bowdoin College</i>) '92. Comparative Philology, Latin. 8.	Chicago.	4000 Drexel boul.

THE QUARTERLY CALENDAR.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Lisk, Charles Wayland,	A.B. (<i>Brown University</i>) '90; <i>Rochester Theological Seminary</i> '93. Semitic, Biblical Greek. 2.	Bordentown, N. J.	134 D.
Logan, William Clark,	A.B. (<i>Lincoln University</i>) '78; (<i>Chicago Theological Seminary</i>) Semitic, Biblical Greek. 2.	Chicago.	South Lynn.
Love, Mary Edith,	Ph.B. (<i>Cornell College</i>) '91. English, Philosophy. 5.	Marion, Ia.	F.
Lovell, Helen Louisa,	A.B. (<i>University of Michigan</i>) '87. Greek, Latin. 2.	Flint, Mich.	483, 46th st.
MacCracken, Anna Martha,	Ph.B. (<i>University of Michigan</i>) '94. Latin, Philosophy. 1.	Xenia, O.	5822 Drexel av.
MacLean, Jessie Mildred,	A.B. (<i>Acadia College</i>) '93; A.M. (<i>Ibid.</i>) '94. English. 2.	Wolfville, N. S.	539, 55th st.
MacLean, Murdoch Haddon,	A.B. (<i>Acadia College</i>) '92. History. 5½.	Wolfville, N. S.	539, 55th st.
MacLennan, Simon Fraser,	A.B. (<i>Toronto University</i>) '93. Philosophy. 2.	Pinkerton, Ont.	615, 55th st.
Maddocks, Caroline Shaw,	A.B. (<i>Wellesley College</i>) '90. English. 5½.	Chicago.	5622 Ellis av.
Marot, Mary Louise,	S.B. (<i>University of Chicago</i>) '94. Comparative Religion, Philosophy. 2.	Dayton, O.	22 F.
Mather, Sedgewick,	A.B. (<i>Colgate University</i>) '86; A.M. (<i>Ibid.</i>) '89. Latin, Greek. 2.	Belleville, N. Y.	326. E. 57th st.
Mathias, James William,	A.B. (<i>Adelbert College</i>) '94. Greek, Latin. 2.	Parksley, Va.	5122 Ashland av.
Mauntel, Christian Henry,	A.B. (<i>Indiana University</i>) '94. History. 1.	Terre Haute, Ind.	543, 55th st.
McCasky, Harriet Louise,	A. B. (<i>Northwestern University</i>) '92. History. 4.	Chicago.	790 Monroe st.
Mebane, William Nelson,	A.B. (<i>Davidson College</i>) '83. Semitic. 3.	Siloam Sp'gs, Ark.	77 D.
Mendenhall, Alice Ann,	A.B. (<i>Earlham College</i>) '90. Semitic. 2.	Bloomington, Ind.	389, 57th st.
Milligan, Henry Forsythe,	D.B. (<i>Reformed Episcopal Divinity School, Philadelphia, Pa.</i>) '90; A.B. (<i>University of Chicago</i>) '94. Philosophy, New Test. Greek. 4.	Chicago.	195, 37th st.
Million, John Wilson,	A.B. (<i>William Jewell College</i>) '89; A.M. (<i>Ibid.</i>) '91. Political Economy, History. 7½.	Watson, Mo.	3226 Calumet av.
Monroe, Paul,	S.B. (<i>Franklin College</i>) '90. Sociology, Political Economy. 2.	Franklin, Ind.	578 E. 60th st.
Montgomery, Louise,	S.B. (<i>University of Minnesota</i>) '90. Political Economy. 2.	Minneapolis, Minn.	5700 Kimbark av.
Moore, Addison Webster,	A.B. (<i>De Pauw University</i>) '90; A.M. (<i>Ibid.</i>) '93. Philosophy, Sociology. 2.	Terre Haute, Ind.	6127 Ellis av.
Moore, Ella Adams,	Ph.B. (<i>De Pauw University</i>) '92. English. 2.	Terre Haute, Ind.	6126 Ellis av.
Mosley, Joel Rufus,	S.B. (<i>University of Nashville</i>) '92; S.M. (<i>Ibid.</i>) '93. Political Science, History. 4.	Elkin, N. C.	5722 Kimbark av.
Mulfinger, George A.	A.B. (<i>Northwestern University</i>) '85. German, English. 5½.	Chicago.	6046 Oglesby av.
Munson, John Augustus,	A.B. (<i>Central University</i>) '91; A.M. (<i>University of Michigan</i>) '94. German. 2.	Chicago.	5711 Ingleside av.
Neff, Theodore Lee,	Ph.B. (<i>Asbury, now De Pauw, University</i>) '88; A.M. (<i>De Pauw University</i>) '88. Romance Languages. 6.	Iowa City, Ia.	543, 55th st.
Neill, Charles Patrick,	A.B. (<i>Georgetown College</i>) '91; A.M. (<i>University of Notre Dame</i>) '93. Political Economy.	Austin, Tex.	
Nesbit, Sophronia E.,	A.B. (<i>Carthage College</i>) '78. English. 2.	Des Moines, Ia.	5810 Drexel av.
Noyes, Edmund Spencer,	A.B. (<i>Beloit College</i>) '92. Political Science, History, Political Economy. 2.	Evanston.	5537 Lexington av.
Owen, Ernest Jones,	A.B. (<i>Denison University</i>) '93. Greek. 5.	Newark, O.	449, 55th st.
Owen, William Bishop,	A.B. (<i>Denison University</i>) '87; D.B. (<i>Morgan Park Theological Seminary</i>) '91. Comparative Philology, Greek. 6.	Chicago.	429, 57th st.
Page, Edward Carlton,	A.B. (<i>Northwestern University</i>) '88. History, Political Science. 5.	Chicago.	193 E. 54th st.
Parks, Marvin McTyeire,	A.B. (<i>Emory College</i>) '92. English.	Cuthbert, Ga.	5620 Ellis av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Paschal, George Washington,	A.B. (<i>Wake Forest College</i>) '92. Greek, Latin. 5.	<i>Siler City, N. C.</i>	5492 Ellis av.
Payne, Ona Hamlin,	A.M. (<i>Franklin College</i>) '92; Ph.D. (<i>Ibid.</i>) '94. Greek. 1.	<i>Franklin, Ind.,</i>	Kl.
Porter, Elisabeth,	A.B. (<i>University of Chicago</i>) '94. Sociology. 1½.	<i>Cleveland, O.</i>	The Colonies.
Pratt, Alice Edwards,	Ph.B. (<i>University of California</i>) '81; A.M. (<i>University of Chicago</i>) '83. English, Philosophy. 7.	<i>St. Helena, Cal.</i>	26 F.
Provine, Bertha,	A.B. (<i>Oxford College</i>) '91. English. 1.	<i>Taylorville.</i>	44 Kl.
Putnam, James William,	S.B. (<i>Illinois College</i>) '94. History, Political Economy.	<i>Jacksonville, Ill.</i>	541 E. 55th st.
Radebaugh, William,	A.B. (<i>U. S. Grant University</i>) '93; A.M. (<i>Illinois Wesleyan University</i>) '94. Philosophy. 2.	<i>Danville.</i>	5496 Ellis av.
Radford, Maude Lavenia,	Ph.B. (<i>University of Chicago</i>) '94. English. 2.	<i>Chicago.</i>	117, 55th st.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '94. Church History. 5.	<i>St. Paul, Minn.</i>	541, 55th st.
Rapp, John Jacob,	D.B. (<i>Garrett Biblical Institute</i>) '90. Semitic. 3.	<i>Chicago.</i>	36 D.
Raymond, Jerome Hall,	A.B. (<i>Northwestern University</i>) '92; A.M. (<i>Ibid.</i>) '93. Sociology, Political Science. 3.	<i>Aurora.</i>	6054 Sheridan av.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. Systematic Theology, Sociology, 6¼.	<i>Berwick, N. S.</i>	129 D.
Redfield, Josephine,	S.B. (<i>Wellesley College</i>) '91. Philosophy.	<i>Chicago.</i>	2933 Prairie av.
Rew, Ruth Myra,	A.B. (<i>Iowa College</i>) '92. English, Greek. 2.	<i>Grinnell, Ia.</i>	5729 Kimbark av.
Reynolds, Emily Knox,	A.B. (<i>Vassar College</i>) '89. English. 2.	<i>Pueblo, Colo.</i>	F.
Rickert, Martha Edith,	A.B. (<i>Vassar College</i>) '91. English, Philosophy. 3.	<i>Chicago.</i>	320, 57th st.
Robertson, James Rood,	A.B. (<i>Belott College</i>) '86; A.M. (<i>University of Michigan</i>) '90. History, Political Economy. 3.	<i>Forest Grove, Ore.</i>	5620 Ellis av.
Rogers, May Josephine,	Ph.B. (<i>University of Chicago</i>) '93. History, Political Economy. 1.	<i>Chicago.</i>	5657 Cottage Grove av
Rosseter, Edward Clark,	A.B. (<i>Marietta College</i>) '70; A.M. (<i>Ibid.</i>) '73. Political Economy, History. 3.	<i>Chicago.</i>	5490 Ellis av.
Rullkoetter, William,	A.B. (<i>University of Chicago</i>) '93. History, Political Science. 6.	<i>Hastings, Neb.</i>	58 Sn.
Sanders, Frederic William,	A.B. (<i>College of the City of New York</i>) '83; A.M. (<i>Harvard University</i>) '92. Sociology, Philosophy. 6.	<i>Chicago.</i>	13 G.
Says, William Christopher,	A.B. (<i>Wilmington College</i>); A.M. (<i>Hav- erford College</i>). Semitic. 3.	<i>Wilmington, O.</i>	5733 Ingleside av.
Schlicher, John Jacob,	A.B. (<i>University of Wisconsin</i>) '92. Latin, Greek. 1.	<i>Merton, Wis.</i>	5709 Drexel av.
Schoolcraft, Henry Lawrence,	A.B. (<i>Marietta College</i>) '92. Philosophy, History. 2¼.	<i>North Adams, Mich.</i>	5726 Monroe av.
Scofield, Cora Louise,	A.B. (<i>Vassar College</i>) '90. History, Political Science. 6.	<i>Washington, Ia.</i>	B.
Scott, Loa Ermina,	S.B. (<i>Hiram College</i>) '92. Political Science, Sociology. 2.	<i>Chagrin Falls, O.</i>	5724 Drexel av.
Shaw, Edwin,	A.B. (<i>Milton College</i>) '88; A.M. (<i>Ibid.</i>) '91. Latin, Biblical Literature. 3.	<i>Milton, Wis.</i>	5455 Monroe av.
Sherman, Charles Colebrook,	A.B. (<i>Yale University</i>) '83. Semitic. 1.	<i>Syracuse, N. Y.</i>	14 G.
Shipley, Frederick William,	A.B. (<i>University of Toronto</i>) '92. Latin, Sanskrit, Political Science. 2.	<i>Cheltenham, Ont.</i>	32 G.
Smith, Wayne Prescott,	A.B. (<i>University of Wooster</i>) '91; A.M. (<i>Ibid.</i>) '92; Ph.D. (<i>Ibid.</i>) '93; A.B. (<i>Har- vard University</i>) '92. Philosophy. 2.	<i>Chicago.</i>	5722 Madison av.
Squire, Caroline Mabel Ranson,	Ph.B. (<i>Hamline University</i>) '80. History, Political Science. 2.	<i>St. Paul, Minn.</i>	B.
Squires, Vernon Purinton,	A.B. (<i>Brown University</i>) '89. English. 5.	<i>Oneonta, N. Y.</i>	8 G.
Stairs, Walter,	A.B. (<i>Kentucky University</i>) '87; A.M. (<i>Ibid.</i>) '88. Semitic. 1.	<i>Hammond, Ind.</i>	Hammond, Ind.
Stanton, Eveline Judith,	Ph.B. (<i>Bucknell University</i>) '90. English. 4.	<i>Chinchilla, Pa.</i>	B.
Starr, Marion Elizabeth,	A.B. (<i>Vassar College</i>) '79. Sociology. 1.	<i>Burlington, Ia.</i>	F.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Stephenson, Florence Tyler,	A.B. (Oberlin College) '82. English. 1.	Des Moines, Ia.	5620 Ellis av.
Stevenson, James Henry,	A.B. (McGill University) '89; D.B. (Wesleyan Theological College) '90. Semitic. 1.	Nashville, Tenn.	51 D.
Stuart, Henry Waldgrave,	Ph.B. (University of California) '93. Political Economy, Philosophy. 2.	San Leandro, Cal.	6127 Ellis av.
Sutliff, Phebe Temperance,	A.B. (Vassar College) '80; A.M. (Cornell University) '90. History.	Warren, O.	4 Washington pl.
Tanaka, Kiichi,	A.B. (University of Chicago) '95. Philosophy. 1.	Tokio, Japan.	30 Sn.
Tanner, Amy Eliza,	A.B. (University of Michigan) '93. Philosophy, Sociology. 3.	Faribault Minn.	429, 57th st.
Thomas, William Isaac,	A.B. (University of Tennessee) '84; A.M. (Ibid.) '85; Ph.D. (Ibid.) '86; Anthropology, Sociology. 4½.	Oberlin, Ohio.	6420 Lexington av.
Thompson, James Westfall,	A.B. (Butgers College) '92. History, Political Science. 8.	New Brunswick, N.J.	5496 Ellis av.
Thurston, Henry Winfred,	A.B. (Dartmouth College) '98. Social Science, Political Economy. 5.	Chicago.	5314 Madison av.
Tompkins, Arnold,	A.B. (Indiana University) '90; A.M. (Ibid.) '92. Philosophy, Sociology. 5.	Terre Haute, Ind.	5858 Indiana av.
Tunell, George,	S.B. (University of Minnesota) '92. Political Economy, Political Science. 8.	Albert Lea, Minn.	5736 Washington av.
Tunncliffe, Sarah Bacon,	A.B. (Vassar College) '92. History, English. 2.	Macomb.	5 F.
Varney, Edgar Dow,	A.B. (Bates College) '86. Semitic. 5.	Fort Collins, Colo.	6126 Wharton av.
Vincent, George Edgar,	A.B. (Yale University) '85. Sociology. 4½.	Buffalo, N. Y.	5338 Washington av.
Walker, Dean Augustus,	A.B. (Yale University) '84; D.B. (Ibid.) '89; A.M. (Ibid.) '90. Semitic. 5.	Auburndale, Mass.	143 D.
Walker, Florence Mercy,	Ph.B. (University of Chicago) '94. English, Philosophy. 2.	Le Roy, N. Y.	5620 Ellis av.
Washburn, Oliver Miles,	A.B. (Hillsdale College) '94. Latin, Greek. 2.	Hillsdale, Mich.	5556 Drexel av.
West, Max,	S.B. (University of Minnesota) '90; A.M. (Columbia College) '92; Ph.D. (Ibid.) '93. Sociology. 4½.	Chicago.	The Chicago Commons, 140 N. Union.
Whitaker, Hobart Karl,	A.B. (Amherst College) '90. History, Political Economy. 2.	Leverett, Mass.	7154 Euclid av.
Whitehead, Louis Grant,	A.B. (University of Michigan) '93; A.M. (Ibid.) '94. Philosophy, Neurology. 2.	Vulcan, Mich.	5329 Greenwood av.
Wier, Marion Clyde,	A.B. (St. Johns College) '92. Greek, Latin. 3.	South River, Md.	18 G.
Willis, Henry Parker,	A.B. (University of Chicago) '94. Political Economy, Political Science. 4.	Racine, Wis.	5551 Lexington av.
Winston, Ambrose Paré,	A.B. (University of Wisconsin) '87. Political Economy, History. 6.	Chicago.	6051 Madison av.
Winston, Lucy A.,	A.B. (Earlham College) '83. German, English. 3.	Germantown, Pa.	B.
Wishart, Alfred Wesley,	A.B. (Colgate University) '89. Church History. 7½.	Maywood.	541 E. 55th st.
Witkowski, Esther,	A.B. (Vassar College) '86. Romance Languages, German. 8.	Chicago.	2902 Prairie av.
Wood, Francis Asbury,	A.B. (Northwestern University) '80; A.M. (Ibid.) '83. German, English, Comparative Philology. 5.	Aurora, Neb.	5496 Ellis av.
Wood, Harriet Anne,	A.B. (Vassar College) '93. History. 2.	Saginaw, Mich.	F.
Woodburn, Grace Helen,	A.B. (Indiana University) '85; A.M. (Ibid.) '94. Latin, Greek. 2.	Bloomington, Ind.	5622 Ellis av.
Woodruff, Charles Elmer,	A.B. (University of Pennsylvania) '86; D.B. (Crozer Theological Seminary) '89. Biblical Greek, Patristic Greek. 6.	Philadelphia, Pa.	68 D.
Woods, William Brenton,	Ph.B. (University of Chicago) '95. English.	Chicago.	395, 57th st.
Wyant, Andrew Robert Elmer,	A.B. (Bucknell University) '92. 7.	Adrian, Pa.	108 D.
Wyckoff, Charles Truman,	A.B. (Knox College) '84; A.M. (Ibid.) '87; D.B. (Chicago Theological Seminary) '87. History, Political Science, French. 2.	Wheaton.	228, 53d st.
Youngdahl, Anton Cervenus,	A.B. (Augustana College) '94. English. 2.	Altona.	5755 Atlantic st.
Yust, William Frederick,	A.B. (Central Wesleyan College) '93. Latin, Greek. 2.	Peace Creek, Kans.	5490 Ellis av.

TOTAL, 190.

THE OGDEN (GRADUATE) SCHOOL OF SCIENCE.

NOTE.—The numerals which follow the names of departments of study indicate the number of Quarters during which the student has been in residence as a Graduate student of the University of Chicago. In the list of subjects the principal subject is placed first.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Baker, Richard Philip,	B.Sc. (<i>London University</i>) '87 Mathematics.	<i>Shrewsbury, Eng.</i>	5435 Kimbark av.
Barrett, Storrs Barrows,	A.B. (<i>University of Rochester</i>) '89. Astronomy, Physics. 9.	<i>Rochester, N. Y.</i>	5646 Monroe av.
Barrett, William Elmer,	S.B. (<i>Wilmington College</i>) '94. Mathematics, Astronomy, Physics. 2.	<i>Wilmington, O.</i>	6124 Wharton av.
Beers, Lila Eliza,	A.B. (<i>Vassar College</i>) '94. Neurology, Physiology.	<i>Chicago.</i>	3646 Wabash av.
Biddle, Henry Chalmers,	A.B. (<i>Monmouth College</i>) '91; A.M. (<i>Ibid.</i>) '94. Chemistry. 1.	<i>Monmouth.</i>	1060 N. Halsted st.
Boothroyd, Samuel Latimer.	S.B. (<i>Colorado Agricultural College</i>) '93. Mathematics, French. 2.	<i>Arkins, Colo.</i>	541, 55th st.
Boyer, Emanuel Roth,	A.B. (<i>Harvard University</i>) '90. Zoölogy. 5.	<i>Englewood.</i>	536, 61st st.
Brace, Edith Minerva,	S.B. (<i>University of Nebraska</i>) '91. Zoölogy. 3.	<i>Lincoln, Neb.</i>	5728 Madison av.
Brode, Howard Stidham,	Graduate (<i>Illinois Normal University</i>) '88; Student (<i>Wood's Hall</i>) '90. Zoölogy, Physiology. 6.	<i>Urbana.</i>	6034 Woodlawn av.
Brown, George Lincoln,	S. M. (<i>State University of Missouri</i>) '93. Mathematics. 2.	<i>Reynard, Mo.</i>	5836 Drexel av.
Burns, Elmer Ellsworth,	S.B. (<i>Simpson College</i>) '94. Physics, Chemistry. 3.	<i>Chicago.</i>	6126 Wharton av.
Bushong, Francis William,	A.B. (<i>Franklin and Marshall College</i>) '85; A.M. (<i>Ibid.</i>) '88. Chemistry. 1½	<i>Chicago.</i>	5620 Ellis av.
Cary, Antoinette,	S.B. (<i>University of Chicago</i>) '93. Chemistry. 4.	<i>Elyria, O.</i>	5 Kl.
Chamberlain, Charles Joseph,	A.B. (<i>Oberlin College</i>) '88. Physiology, Anatomy. 5.	<i>Oberlin, O.</i>	6034 Woodlawn av.
Child, Charles Manning,	Ph.B. (<i>Wesleyan University</i>) '90; S.M. (<i>Ibid.</i>) '92; Ph.D. (<i>University of Leipzig</i>) '94. Zoölogy. 1.	<i>Chicago.</i>	5759 Madison av.
Clapp, Cornelia Maria,	Ph.B. (<i>Syracuse University</i>); Ph.D. (<i>Ibid.</i>) '89. Zoölogy, Neurology. 6.	<i>Montague, Mass.</i>	3154 Prairie av.
Claypole, Agnes Mary,	Ph.B. (<i>Buchtel College</i>) '92; S.M. (<i>Cornell University</i>) '94. Biology, Geology. 2.	<i>Akron, O.</i>	5825 Kimbark av.
Cobb, Herbert Edgar,	A.B. (<i>Wesleyan University</i>) '87; A.M. (<i>Ibid.</i>). Mathematics. 6.	<i>Searsmont, Me.</i>	5601 Washington av.
Cornish, Robert H.,	A.B. (<i>Yale University</i>) '83; A.M. (<i>Ibid.</i>) '87. Geology, Physics. 1.	<i>Morgan Park.</i>	Morgan Park.
Cravens, Linnaeus Pinneo,	A.B. (<i>Carthage College</i>) '78; A.M. (<i>Ibid.</i>) '82. Mathematics. 2.	<i>Carthage.</i>	580, 60th st.
Dains, Frank Burnett,	Ph.B. (<i>Wesleyan University</i>) '90; S.M. (<i>Ibid.</i>) '91. Chemistry, Mineralogy, Physics. 3.	<i>Chicago.</i>	5759 Madison av.
Dickson, Leonard Eugene,	S.B. (<i>University of Texas</i>) '93; A.M. (<i>Ibid.</i>) '94. Mathematics. 3.	<i>Cleburne, Texas.</i>	5722 Kimbark av.
Drew, David Abbott,	S.B., L.B. (<i>Savannah University</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics. 2.	<i>Baraboo, Wis.</i>	510 Harlem av. Oak Park
Dunn, Elizabeth Hopkins,	A.B. (<i>Iowa College</i>) '89; A.M. (<i>Ibid.</i>) '92; M.D. (<i>Northwestern University</i>) '94. Neurology. 1.	<i>Chicago.</i>	346 E. 56th st.
Ferguson, Sara Susanna,	A.M. (<i>Pierre College</i>) '93. Mathematics. 1.	<i>West Springfield, Pa.</i>	5409 Drexel av.
Fling, Harry Ridgeaway,	A.B. (<i>Bowdoin College</i>) '86. Embryology, Physiology, Paleontology. 2.	<i>Minneapolis, Minn.</i>	5533 Jackson av.
Folin, Otto Knute Olaf,	S.B. (<i>University of Minnesota</i>) '92. Chemistry, Physics. 9.	<i>Stillwater, Minn.</i>	5622 Ellis av.
Garrey, Walter Eugene,	S.B. (<i>Lawrence University</i>) '94. Biology, Chemistry. 2.	<i>Aurora.</i>	5464 Ingleside av.
Geckeler, Otto Theodore,	A.B. (<i>University of Indiana</i>) '94. Mathematics, Physics. 2.	<i>Patricksburg, Ind.</i>	543, 55th st.
Gentles, Harry Wernicke,	M.B. and C.M. (<i>University of Glasgow</i>) '89. Zoölogy.	<i>Chicago.</i>	153, 53d st.
Gillespie, William,	A.B. (<i>Toronto University</i>) '93. Mathematics, Physics. 3.	<i>Hamilton.</i>	351, 58th st.

THE QUARTERLY CALENDAR.

NAME.	DEGREE ; DEPT. OF STUDY ; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Goldthwaite, Nellie E.,	S.B. (<i>University of Michigan</i>) '94. Chemistry, Physics. 2.	Jamestown, N. Y.	F.
Goodell, Frank Elbert,	A.B. (<i>University of Dakota</i>) '89. Chemistry, Physics. 3.	Des Moines, Ia.	249, 57th st.
Gordon, Charles Henry,	S.B. (<i>Albion College</i>) '86; S.M. (<i>Ibid.</i>) '90. Geology. 6.	Chicago.	308, 60th st.
Gould, Alice Bache,	A.B. (<i>Bryn Mawr College</i>) '89. Mathematics. 2.	Boston, Mass.	Hotel Barry.
Hardesty, Irving,	A.B. (<i>Wake Forest College</i>) '92. Zoölogy, Physiology, Histology. 6.	Wakefield, N. C.	5632 Ingleside av.
Hart, James Norris,	B.C.E. (<i>Maine State College</i>) '85; C.E. (<i>Ibid.</i>) '90. Mathematics, Astronomy. 3.	Orono, Me.	5726 Monroe av.
Hesse, Bernhard Conrad,	Ph.C. (<i>University of Michigan</i>) '89; S.B. (<i>Ibid.</i>) '93. Chemistry. 6.	Saginaw, E.S., Mich.	5620 Ellis av.
Hoag, Ernest Bryant,	S.B. (<i>Northwestern University</i>) '92; A.B. (<i>Leland Stanford Jr. University</i>) '96. Neurology. 1/2.	Chicago.	58, 43d st.
Hornbeak, Samuel Lee,	A.B. (<i>Trinity University</i>) '86; A.M. (<i>Ibid.</i>) '86. Chemistry. 3.	Tehuacana, Tex.	578, 60th st.
Hull, Gordon Ferrie,	A.B. (<i>University of Toronto</i>) '92. Physics, Mathematics.	Garnet, Ont.	Keene Bldg.
Hutchison, William Albert,	Ph.B. (<i>Dickinson College</i>) '92. Chemistry, Physics. 2.	Townsend, Del.	6402 Madison av.
Joffe, Solomon Achillowitz,	S.M. (<i>University of the City of New York</i>) '93. Mathematics, Astronomy. 3.	Chicago.	5546 Ingleside av.
Jones, Lauder William,	A.B. (<i>Williams College</i>) '92. Chemistry. 4 1/2.	Peoria, Ill.	5417 Cottage Grove av.
Kinney, Charles,	A.C. (<i>Drake University</i>) '92; S.M. (<i>Ibid.</i>) '93. Chemistry, Physics. 2.	Chicago.	5492 Ellis av.
Kümmel, Henry Barnard,	A.B. (<i>Beloit College</i>) '89; A.M. (<i>Harvard University</i>) '92. Geology. 6 1/2.	Milwaukee, Wis.	537, 55th st.
Lansingh, Blanche,	A.B. (<i>Evelyn College</i>) '94. Mathematics. 1.	Chicago.	5109 Kimbark av.
Lehman, Daniel Acker,	Ph.B. (<i>Weeseyan University</i>). Mathematics, Astronomy. 4.	Chambersburg, Pa.	433, 55th st.
Lewis, Albert Buell,	A.B. (<i>University of Chicago</i>) '94. Zoölogy, Physiology. 2.	Santa Ana, Cal.	5722 Kimbark av.
Lyon, Elias Potter,	S.B. (<i>Hillsdale College</i>) '91; A.B. (<i>Ibid.</i>) '92. Zoölogy, Histology. 2.	Hillsdale, Mich.	2101 Indiana av.
McCaskill, Virgil Everett,	A.B. (<i>Ohio Weeseyan University</i>) '93; A.M. (<i>Ibid.</i>) '94. Biology. 3.	Warrensburg, Mo.	5464 Ingleside av.
Mead, Albert Davis,	A.B. (<i>Middlebury College</i>) '80; A.M. (<i>Brown University</i>) '92. Zoölogy, Neurology. 9.	Chicago.	17 Ray st.
Miller, Merton Leland,	A.B. (<i>Colby University</i>) '90. Anthropology, Geology. 9.	Lowell, Mass.	5492 Ellis av.
Mitchell, Walter Reynolds,	S.B. (<i>University of Illinois</i>) '87. Physiology. 6.	Chicago.	433, 57th st.
Munson, John P.,	S.B. (<i>University of Wisconsin</i>) '87; S.M. (<i>Ibid.</i>) '92; Ph.B. (<i>Yale University</i>) '92. Zoölogy, Physiology. 6.	Chicago.	25 Perry av.
Nichols, Ernest Reuben,	S.B. (<i>State University of Iowa</i>) '87; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics. 3.	Manhattan, Kans.	5724 Drexel av.
Packard, Wales Harrison,	S.B. (<i>Olivet College</i>) '94. Zoölogy, Botany, Physiology. 2.	Chatham Centre, O.	5533 Jackson av.
Perisho, Elwood Chappell,	S.B. (<i>Earlham College</i>) '87; S.M. (<i>Ibid.</i>) '91. Physics, Geology. 6.	Carmel, Ind.	539, 55th st.
Remick, Benjamin Luce,	Ph.B. (<i>Cornell College</i>) '89; Ph.M. (<i>Ibid.</i>) '92. Mathematics. 2.	Waverly, Ia.	5709 Drexel av.
Roberts, John Marshall,	A.B. (<i>Missouri Valley College</i>). Biology, Chemistry. 2.	Marshall, Mo.	5728 Rosalie ct.
Rothrock, David Andrew,	A.B. (<i>University of Indiana</i>) '92; A.M. (<i>Ibid.</i>) '93. Mathematics. 3.	Bloomington, Ind.	5836 Drexel av.
Runyon, William Henry,	A.B. (<i>Princeton College</i>) '88; A.M. (<i>Ibid.</i>) '90. Physics, Mathematics. 3.	Chicago.	5757 Madison av.
Russell, John Benjamin,	S.B. (<i>Wheaton College</i>) '85; A.M. (<i>Ibid.</i>) '88. Botany. 1 1/2.	Wheaton.	Wheaton.
Schottenfels, Ida May,	Ph.B. (<i>Northwestern University</i>) '92. Mathematics. 5.	Chicago.	5602 Jackson av.
Slaught, Herbert Ellsworth,	A.B. (<i>Colgate University</i>) '83; A.M. (<i>Ibid.</i>) '86. Mathematics. 8.	Englewood.	440, 64th st.
Smith, Newland Farnsworth,	Ph.B. (<i>Northwestern University</i>) '92. Physics, Mathematics. 2 1/2.	Aurora.	6047 Ellis av.
Stone, Harriet,	A.B. (<i>Wellesley College</i>) '89. Chemistry, Physics. 7 1/2.	Chicago.	3352 Indiana av.

NAME.	DEGREE; DEPT. OF STUDY; RESIDENCE.	HOME ADDRESS.	PRESENT ADDRESS.
Stone, Isabelle,	A.B. (<i>Wellesley College</i>) '90. Physics, Chemistry. 6.	Chicago.	3352 Indiana av.
Sturges, Mary Mathews,	S.B. (<i>University of Michigan</i>) '93. Zoology, Physiology. 6.	Oak Park.	5825 Kimbark av.
Swartz, Samuel Ellis,	A.B. (<i>Denison University</i>) '79. Chemistry, Physics. 8.	Chicago.	5622 Ellis av.
Sweet, Benjamin Asahel,	A.B. (<i>Westfield College</i>) '90; Ph.B. (<i>Illinois Wesleyan University</i>). Geology, Philosophy. 1.	Marshall.	5543 Monroe av.
Taylor, Nellie M.,	A.B. (<i>Hanover College</i>) '88; A.M. (<i>Ibid.</i>) '91. Mathematics, Philosophy. 5.	Hanover, Ind.	6011 Ellis av.
Thürlimann, Leo,	S.B. (<i>Iowa Agricultural College</i>) '90; S.M. (<i>Ibid.</i>) '92. Chemistry. 2.	Carroll, Ia.	5711 Ingleside av.
Van Osdel, Edgar Bates,	A.B. (<i>Knox College</i>) '94. Chemistry, Biology. 3.	Galesburg.	14 Sn.
Welch, Jeanette Cora,	A.B. (<i>Wellesley College</i>) '89. Physiology, Physics. 8.	Chicago.	438, 57th st.
Wentch, Julia Ann,	L.B. (<i>Iowa Agricultural College</i>). Mathematics. 5.	Traer, Ia.	Kl.
Wheeler, Henry Lord,	Ph.B. (<i>Yale University</i>) '90; Ph.D. (<i>Ibid.</i>) '93. Chemistry. 2.	Chicago.	1812 Prairie av.
Whitney, Albert Wurts,	A.B. (<i>Beloit College</i>) '91. Physics, Mathematics. 5.	Beloit, Wis.	5815 Madison av.
Whitson, Andrew Robinson,	S.B. (<i>University of Chicago</i>) '94. Geology. 2.	Northfield, Minn.	324, 57th st.
Willard, Daniel Everett,	A.B. (<i>Oxford University</i>) '88; A.M. (<i>Ibid.</i>) '90. Geology. 7.	Nile, N. Y.	6124 Wharton av.
Wren, Harry Bertrand,	S.B. (<i>Baker University</i>) '94. Mathematics. 2.	Paola, Kans.	541, 55th st.
TOTAL, 81.			

THE NON-RESIDENT GRADUATE STUDENTS.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Burris, William Paxton,	Ph.B. (<i>De Pauw University</i>) '91. Philosophy.	Bluffton, Ind.
Campbell, Peter Sinclair,	A.B. (<i>Toronto University</i>) '77. Greek.	92 Yorkville av., Toronto, Can.
Dimmitt, Lillie English,	A.B. (<i>Illinois Wesleyan University</i>) '88; A.M. (<i>Ibid.</i>) '91. Greek.	Sioux City, Ia.
Dodge, Le Vant,	A.B. (<i>Hillsdale College</i>) '72; A.M. (<i>Ibid.</i>) '75. Political Science, Sociology, Political Economy.	Berea, Ky.
Estey, Stephen Sewell,	A.B. (<i>Oberlin College</i>) '83; A.M. (<i>Ibid.</i>) '87. Social Science.	Humboldt, Kans.
Hulley, Eloise Mayham,	A.B. (<i>University of Michigan</i>) '90; A.M. (<i>University of Chicago</i>) '94. Philosophy.	Lewisburg, Pa.
Kling, Henry F.,	Ph.B. (<i>Upper Iowa University</i>) '83. Political Economy.	Hot Springs, S. D.
Maxwell, Samuel Steen,	S.B. (<i>Amity College</i>) '86; S.M. (<i>Ibid.</i>) '88. Zoology, Physiology.	Monmouth.
McKee, William Parker,	A.B. (<i>Wabash College</i>) '88; D.B. (<i>Morgan Park Theological Seminary</i>) '87. Ancient History.	522, 12th av. S. E., Minneapolis, Minn.
Peters, R. G.,	A.B. (<i>Heidelberg University</i>) '93; A.M. (<i>Ibid.</i>) '94. English.	Tiffin, Ohio.
Piersel, Alba Chambers,	A.B. (<i>Ohio Wesleyan University</i>) '90. Biblical and Patristic Greek.	Winfield, Kansas.
Robinson, Henry Douglass,	A.B. (<i>Racine College</i>) '84. Sociology, Comparative Religion, French.	Racine, Wis.
Schmidt, William G. W.,	Ph.B. (<i>Syracuse University</i>) '88; Ph.M. (<i>Ibid.</i>) '91. Germanic.	Lake Forest, Ill.
Sherman, Charles Colebrook,	A.B. (<i>Yale University</i>) '83. Semitic.	1422 Mulberry Street, Syracuse, N. Y.
Smith, John M. P.,	A.B. (<i>Des Moines College</i>) '93. Semitic.	Cedar Valley Seminary, Osage, Ia.
Strayer, F. R.,	A.B. (<i>Bucknell College</i>) '94. Mathematics.	De Land, Fla.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; DEPT. OF STUDY.	HOME ADDRESS.
Tear, John Henry,	Ph.B. (<i>Illinois Wesleyan University</i>) '92. Philosophy, Sociology.	846 Walnut st., Chicago.
Topping, Henry,	A.B. (<i>University of Rochester</i>) '92; D.B. (<i>Morgan Park Theological Seminary</i>) '92. Semitic.	Delavan, Wis.
Treadwell, A. L.,	S.B. (<i>Wesleyan University</i>) '88; S.M. (<i>Ibid.</i>) '90. Zoology.	Miami University, Oxford, O.
Udden, John August,	A.B. (<i>Augustana College</i>) '81; A.M. (<i>Ibid.</i>) '89. Geology.	1000, 38th st., Rock Island.
Weber, W. L.,	A.B. (<i>Wofford College</i>) '88; A.M. (<i>Ibid.</i>) '88. English, German.	Jackson, Miss.
Wernicke, Paul,	(<i>University of Berlin</i>) '85-'89. Mathematics.	107 E. Maxwell st., Lexington, Ky.
Wynne, Richard Henry,	A.B. (<i>Bethany College</i>) '73; A.M. (<i>Ibid.</i>) '93. Semitic.	Bethany, W. Va.
TOTAL, 23.		

THE DIVINITY SCHOOL.

THE GRADUATE DIVINITY SCHOOL.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Aitchison, John Young,	A.B. (<i>Des Moines College</i>) '93. 4½.	Des Moines, Ia.	135 D.
Allen, Charles William,	A.B. (<i>Bucknell University</i>) '92. 7.	Scranton, Pa.	136 D.
Anderson, Jacob Nelson,	S.B. (<i>Milton College</i>) '92. 2.	Poy Sippi, Wis.	85 D.
Anderson, Oscar Ludvig,	A.B. (<i>University of Nebraska</i>) '94. 2.	Wahoo, Neb.	93 D.
Atchley, Isaac Carroll,	A.B. (<i>Drury College</i>) '93. 4½.	Springfield, Mo.	149 D.
Baird, Phil Castor,	A.B. (<i>Amity College</i>) '91; A.M. (<i>Ibid.</i>) '94. 2.	College Springs, Ia.	6124 Wharton av.
Bale, George Arthur,	Ph.B. (<i>Des Moines College</i>) '93. 4.	Gig Harbor, Wash.	67 D.
Behan, Warner Palmer,	A.B. (<i>University of Chicago</i>) '94. 2½.	Chicago.	4525 Vincennes av.
Beyl, Fred Almon,	(<i>Borden Institute</i>). 4.	Memphis, Tenn.	5558 Drexel av.
Beyl, John Lewis,	S.B. (<i>Borden Institute</i>) '89. 6.	Jeffersonville, Ind.	5558 Drexel av.
Borden, Edward Howard,	A.B. (<i>Acadia University</i>) '92. 8.	Truro, N. S.	D.
Braker, George, Jr.,	A.B. (<i>Colgate University</i>) '93. 4½.	Brooklyn, N. Y.	138 D.
Breed, Reuben Leonard,	A.B. (<i>Olivet College</i>) '94. 2.	Wyandotte, Mich.	275, 92d st.
Bruce, Preston Pishoon,	A.B. (<i>Cornell College</i>) '93. 4½.	Manchester, Ia.	119 D.
Bunyard, Robert Lowry,	L.B. (<i>Mississippi College</i>) '94. 2.	Bolton, Miss.	74 D.
Campbell, Stuart McAlpine,	A.B. (<i>Knox College</i>) '88 : Diploma (<i>Princeton Theological Seminary</i>) '91.	Chicago.	762, 67th st.
Carlson, Walter Gustafson,	S.B. (<i>State University of Iowa</i>) '93; (<i>Chicago Theological Seminary</i>)	Erwin, S. D.	64 D.
Carrol, Robert,	(<i>English Theological Seminary, University of Chicago</i>) '95. 5½.	Chicago.	751 Herndon st.
Case, Carl Delos,	A.B. (<i>Colgate University</i>) '91. 8.	St. Anthony Park, Minn.	139 D.
Chapin, Judson Clarke,	A.B. (<i>University of Rochester</i>) '89. 7½.	Chicago.	4146 Berkeley av.
Coggins, James Caswell,	A.B. (<i>Milligan College</i>) '94. 2.	Asheville, N. C.	415, 57th st.
Coon, Daniel Israel,	A.B. (<i>State University of Iowa</i>) '89. 4½.	Osage, Ia.	91 D.
Cressey, Frank Graves,	A.B. (<i>Brown University</i>) '91. 6½.	Los Angeles, Cal.	133 D.
Criswell, John Marion,	A.B. (<i>Denison University</i>) '92. 7.	S. Kirtland, O.	128 D.
Davidson, Robert Bailey,	A.B. (<i>Bucknell University</i>) '94. 2.	Paterson, N. J.	121 D.
Dickerson, Philip Jackson,	A.B. (<i>University of Chicago</i>) '94. 2½.	Lula, Va.	78 D.
Dye, Friend Taylor,	A.B. (<i>Marietta College</i>) '91. 4½.	Lockhart's Run, W. Va.	6027 Ellis av.
Dykstra, Lawrence,	A.B. (<i>Hope College</i>) '75; A.M. (<i>Ibid.</i>) '78; D.B. (<i>New Brunswick Theological Seminary</i>).	Chicago.	948 W. 62d st.
Eaton, William Henry,	A.B. (<i>Ottawa University</i>) '93. 4½.	Ottawa, Kans.	140 D.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Elliott, Joseph Nichol,	A.B. (<i>University of Toronto</i>) '91; Diploma (<i>Princeton Theological Seminary</i>) '91.	Chicago.	439, 60th st.
Ewing, Addison Alvord,	A.B. (<i>Amherst College</i>) '92. 3¼.	Danvers, Mass.	151 D.
Farr, Finis King.	C.E. (<i>Cumberland University</i>) '89; D.B. (<i>Ibid.</i>) '94. 3.	Kansas City, Mo.	53 D.
Fiak, Henry Alfred,	L.B. (<i>University of California</i>) '91. 7¼.	St. Charles.	136 D.
Fletcher, Charles Wesley,	A.B. (<i>Wheaton College</i>) '92. 4¼.	Chicago.	6124 Wharton av.
Ford, John Elijah,	(<i>Beloit College Academy</i>) '91. 7.	Chicago.	3603 Dearborn st.
Frantz, Edward,	A.B. (<i>Ohio Normal University</i>) '91. 8¼.	Chicago.	455 E. 55th st.
Garvin, Samuel,	A.B. (<i>Lincoln University</i>) '88; A.M. (<i>Ibid.</i>) '93.	Chicago.	6621 Stewart av.
Georges, Mooshie,	(<i>Oroomiah College, Persia</i>). 6.	Oroomiah, Persia.	110 D.
Goodman, Alfred Ebenezer,	A.B. (<i>Ottawa University</i>) '91. 7.	Antrim, Kans.	132 D.
Goodspeed, Edgar Johnson,	A.B. (<i>Denison University</i>) '90. 8.	Chicago,	5630 Kimbark av.
Guard, Paul,	Th.B. (<i>Oberlin</i>) '93. 6.	Cleves, O.	5830 Washington av.
Haigazian, Armenag,	A.B. (<i>Central Turkey College, Aintab, Turkey</i>) '89. 2.	Hadjin, Turkey.	96 D.
Hanson, Howland,	A.B. (<i>Princeton College</i>) '92. 5.	Chicago.	1303 Jackson boul.
Haston, Jesse Bascom,	(<i>Texas State Normal School</i>). 2.	Santa Rosa, Cal.	389, 57th st.
Hendrick, Harmon Ellsworth,	Chicago Theological Seminary. 2.	Walton, N. Y.	132 D.
Herrick, Jullien Avery,	S.B. (<i>La Grange College</i>) '92. 7.	La Grange, Mo.	129 D.
Herring, Charles,	A.B. (<i>Franklin College</i>) '94. 2.	Michigan City, Ind.	114 D.
Hervey, Joseph Lincoln,	A.B. (<i>Hopedale College</i>) '85; A.M. (<i>Ibid.</i>) '89; Diploma (<i>Allegheny Theological Seminary</i>) '88.	Pueblo, Colo.	6556 Perry av.
Heyland, Thomas Western,	A.B. (<i>University of North Dakota</i>) '91. 7.	Pavilion.	10137 Jefferson av.
Hobbs, Ralph Waller,	A.B. (<i>Shurtleff College</i>) '94. 2.	Delavan, Wis.	137 D.
Honeywell, Edward,	(<i>Queen's University</i>)	Chicago.	8924 Cottage Grove av
Huber, Jesse,	(<i>Findlay College</i>); (<i>Kent College of Law</i>)	Bluffton, Ohio.	60 D.
Hurley, Hugh Henry,	(<i>Woodstock College, Ontario</i>). 6.	Chater, Man.	123 D.
Irvine, William Franklin,	A.B. (<i>University of Manitoba</i>) '91. 4.	Yorkville.	D.
Jackson, Francis Chester R.,	A.B. (<i>Brown University</i>) '94. 2.	Delavan, Wis.	137 D.
Jamison, David Lee,	A.B. (<i>University of West Virginia</i>) '88; LL.B. (<i>Ibid.</i>) '90. 2.	Parkersburg, W. Va.	35 D.
Johnson, Edward Peter,	(<i>Danish-Norwegian Theological Seminary</i>) 4¼.	Minneapolis, Minn.	66 D.
Johnson, John Daniel	(<i>Swedish Theological Seminary</i>) 2¼.	Litchfield, Minn.	Morgan Park.
Jones, Abe Chester,	LL.B. (<i>Vanderbilt University</i>) '89. 2.	Little Rock, Ark.	75 D.
Jones, Haydn Evan,	A.B. (<i>Richmond College</i>) '90; D.B. (<i>Crozer Theological Seminary</i>) '93. 2.	St. Clair, Pa.	128 D.
Jones, Henry Farrar,	(<i>Ottawa University</i>) '91. 7.	Berdena, Kans.	6220 Oglesby av.
Jordan, Elijah John,	A.B. (<i>Dalhousie University</i>) '91. 2.	Bridgetown, N. S.	4743 Madison av.
Joseph Phineas Jehoachim,	(<i>Hulme Cliff College, England</i>). 2¼.	Odessa, Russia.	92 D
Kingsley, Floris Winton,	A.B. (<i>Ottawa University</i>) '93. 2¼.	Stockrange, Kans.	140 D.
Kinney, Edwin Bruce,	A.B. (<i>Denison University</i>) '92. 6¼.	Plano, Ill.	90, 77th st.
Kjellin, John August,	A.B. (<i>Ottawa University</i>) '94. 2.	Garrison, Kans.	141 D.
Lake, Elisha Moore,	(<i>Bucknell University</i>). 6.	Elmira, N. Y.	146 D.
Lapham, Jay Arioch,	(<i>Cedar Valley Seminary</i>)	Osage, Ia.	61 D.
Lemon, Charles Augustus,	A.B. (<i>Colgate University</i>) '92. 6.	Attica, N. Y.	142 D.
Lisk, Charles Wayland,	A.B. (<i>Brown University</i>) '90; (<i>Rochester Theological Seminary</i>) '93. 2.	Bordentown, N. J.	134 D.
Lockhart, John Moses,	L.B. (<i>Denison University</i>) '92. 7¼.	Harvey.	Harvey.
Logan, William Clark,	A.B. (<i>Lincoln University</i>) '78; (<i>Chicago Theological Seminary</i>). 2.	Chicago.	South Lynn.
Lucas, John Allen,	S.M. (<i>Harper Normal School, Kans.</i>) '88; (<i>Garrett Biblical Institute</i>)	Harvey.	Harvey.
Matzinger, Philip Frederick,	(<i>Princeton Theological Seminary</i>). 3.	Chicago.	58 D.
Meigs, Robert Vann,	A.B. (<i>Indian University</i>) '94. 2¼.	Siloam Springs, Ark.	77 D.

THE QUARTERLY CALENDAR.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Mebane, William Nelson,	A.B. (<i>Davidson College</i>) '83. 3.	<i>Greensboro, N. C.</i>	98 D.
Milligan, Henry Forsythe,	D.B. (<i>Reformed Episcopal Divinity School, Philadelphia, Pa.</i>) '90; A.B. (<i>University of Chicago</i>) '94. 4.	<i>Chicago.</i>	195, 37th st.
Murray, Charles Henry,	A.B. (<i>William Jewell College</i>) '91. 3.	<i>Kansas City, Mo.</i>	144 D.
Myhrmann, David Vilhelm,	(<i>Baptist Theological Seminary, Sweden.</i>) 7.	<i>Stockholm, Sweden.</i>	73 D.
Newcomb, Arthur F.,	A.B. (<i>Acadia University</i>) '92. 5.	<i>Wolfville, N. S.</i>	539, 55th st.
Osborn, Loran David,	A.B. (<i>University of Michigan</i>) '91. 6½.	<i>Elgin.</i>	134 D.
Oeschger, William,	A.B. (<i>University of Chicago</i>) '95.	<i>Valparaiso, Neb.</i>	5464 Ellis av.
Patchell, William Trimble,	(<i>Oberlin College</i>). 2.	<i>Chicago.</i>	5722 Kimbark av.
Patrick, Bower Reynolda,	A.B. (<i>William Jewell College</i>). 4.	<i>Hannibal, Mo.</i>	144 D.
Purinton, Harry Edward,	A.B. (<i>Colgate University</i>) '94. 2.	<i>Buffalo, N. Y.</i>	90 D.
Randall, John Herman,	A.B. (<i>Colgate University</i>) '92. 5.	<i>St. Paul, Minn.</i>	541, 55th st.
Rapp, John Jacob,	D.B. (<i>Garrett Biblical Institute</i>) '90. 3.	<i>Chicago.</i>	36 D.
Read, Eliphalet Allison,	A.B. (<i>Acadia University</i>) '91. 6½.	<i>Berwick, Nova Scotia.</i>	129 D.
Rhapstock, Franklin Charles,	(<i>Shurtleff College</i>). 2.	<i>Marengo.</i>	69 D.
Rhodes, Jesse Cassander,	A.B. (<i>Franklin College</i>) '92. 6.	<i>Rensselaer, Ind.</i>	114 D.
Rocen, Johan,	(<i>Swedish Theological Seminary, Morgan Park</i>) '92. 4½.	<i>Chicago.</i>	71 D.
Rogers, Patrick Simkins,	A.B. (<i>Mississippi College</i>) '91. 2.	<i>Pachuta, Miss.</i>	89 D.
Says, William Christopher,	A.B. (<i>Wilmington College</i>); A.M. (<i>Haverford College</i>). 3.	<i>Wilmington, O.</i>	5733 Ingleside av.
Schlamann Ernest Alfred,	(<i>Indiana State Normal School</i>). 6½.	<i>Terre Haute, Ind.</i>	88 D.
Schueler, Edward Philip,	(<i>Midland College</i>)	<i>Hagerstown, Md.</i>	5496 Ellis av.
Sherman, Charles Colebrook,	A.B., (<i>Yale University</i>) '83. 1.	<i>Syracuse, N. Y.</i>	14 G.
Shoemaker, William Ross,	S.B. (<i>Iowa State Agricultural College</i>). 2.	<i>Muscataine, Ia.</i>	147 D.
Smith, Arthur Sherman,	A.B. (<i>Pomona College</i>) '94. 4.	<i>Pomona, Cal.</i>	150 D.
Snow, Ralph Rensselaer,	A.B. (<i>Bucknell University</i>) '94. 2.	<i>Franklin, Pa.</i>	145 D.
Spickler, Henry Martin,	(<i>Mt. Morris Academy</i>) '94. 3.	<i>Polo.</i>	54 D.
Spooner, William Silas,	A.B. (<i>Amherst College</i>) '94. 2.	<i>Franconia, N. H.</i>	94 D.
Stairs, Walter,	A.B. (<i>Kentucky University</i>) '87; A.M. (<i>Ibid.</i>) '88. 1.	<i>Hammond, Ind.</i>	Hammond, Ind.
Stark, Stephen,	A.B. (<i>Colby University</i>) '92. 2.	<i>Waterville, Me.</i>	131 D.
Steelman, Albert Judson,	A.B. (<i>Colgate University</i>). 6.	<i>City of Mexico, Mexico.</i>	2545 N. 43d av.
Stevenson, James Henry,	A.B. (<i>McGill University</i>) '89; D.B. (<i>Wesleyan Theological College</i>) '90. 1.	<i>Nashville, Tenn.</i>	51 D.
Street, Henry Haynes,	(<i>Richmond College</i>). 1.	<i>Richmond, Va.</i>	52 D.
Thompson, Thora Maria,	(<i>Pillsbury Academy</i>). 8.	<i>Montevideo, Minn.</i>	6 B.
Tustin, Paul,	A.B. (<i>Bucknell University</i>) '91. 3½.	<i>Bloomsburg, Pa.</i>	152 D.
Varney, Edgar Dow,	A.B. (<i>Bates College</i>) '86. 5.	<i>Fort Collins, Colo.</i>	6126 Wharton av.
Vosburgh, Homer Jerome,	A.B. (<i>Colgate University</i>) '86; A.M. (<i>Ibid.</i>) '93. 1.	<i>Chicago.</i>	535 Normal Park way
Walker, Dean Augustus,	A.B. (<i>Yale University</i>) '84; D.B. (<i>Ibid.</i>) '89; A.M. (<i>Ibid.</i>) '90. 5.	<i>Auburndale, Mass.</i>	143 D.
Wilkin, William Arthur,	A.B. (<i>Denison University</i>) '93. 4.	<i>New Market, O.</i>	130 D.
Williams, Milton Bryant,	A.B. (<i>Northwestern University</i>) '94. 2½.	<i>Chicago.</i>	2426 W. Ohio st.
Wishart, Alfred Wesley,	A.B. (<i>Colgate University</i>) '89. 7½.	<i>Maywood.</i>	541, 55th st.
Wood, William Robert,	(<i>University of Colorado</i>). 7½.	<i>Chicago.</i>	6231 Sheridan av.
Woodruff, Charles Elmer,	A.B. (<i>University of Pennsylvania</i>) '86; D.B. (<i>Crozer Theological Seminary</i>) '89. 6.	<i>Philadelphia, Pa.</i>	68 D.
Wyant, Andrew Robt. Elmer,	A.B. (<i>Bucknell University</i>) '92. 7.	<i>Adrian, Pa.</i>	108 D.
Young, Charles Alexander,	(<i>University of Missouri</i>). 1.	<i>Ann Arbor, Mich.</i>	5716 Kimbark av.
			TOTAL 118.

THE ENGLISH THEOLOGICAL SEMINARY.

NAME.	DEGREE; QUARTERS IN DIV. SCH'L.	HOME ADDRESS.	PRESENT ADDRESS.
Alger, Henry Herbert,	(<i>Sherborn, Mass., High School</i>)	<i>Chicago.</i>	78 D.
Allen, Hiram Howard,	(<i>Cedar Valley Seminary</i>). 4½.	<i>Bassett, Neb.</i>	302 E. 41st st.
Berry, Henry Havelock,	(<i>Hebron Academy</i>) '85. 4¼.	<i>West Sumner.</i>	59 D.
Briggs, Daniel Judson,	(<i>Northern Indiana Normal School</i>). 2.	<i>Red Oak, Ia.</i>	6126 Wharton av.
Dent, Joseph Croft,	(<i>Bible Institute, Chicago</i>) '91. 5.	<i>Earlville.</i>	39 D.
Dexter, Stephen Byron,	(<i>Bible Institute, Chicago</i>). '90. 4¼.	<i>Chicago.</i>	537, 55th st.
Dexter, Louise,	(<i>Rockford College</i>). 1.	<i>Chicago.</i>	588, 60th st.
Gill, Theophilus Anthony,	(<i>Princeton College</i>) '83. 6.	<i>West Park-on-the-Hudson, N. Y.</i>	56 D.
Hatch, Elmer Ellsworth,	(<i>California College</i>). 6¼.	<i>Lafayette, Cal.</i>	38 D.
Henry, Leroy,	M.D. (<i>Medical College of Indiana</i>). 2.	<i>Jacksonville, Ind.</i>	5630 Ingleside av.
Hoyt, John Lewis,	(<i>Hamilton College</i>) '93. 4¼.	<i>Sennett, N. Y.</i>	5492 Ellis av.
Hughes, John Newton,	L.L.B. (<i>Fulton Law School</i>) '89; (<i>Upper Iowa University</i>). 1.	<i>Beloit, Wis.</i>	112 D.
Jones, John W.,	A.B. (<i>Kansas Normal College</i>) '88. 1½.	<i>Parsons, Kans.</i>	79 D.
Lehmer, Solomon Gentzler,	M.E. (<i>Millersville, Pa., State Normal School</i>) '79.	<i>E. Los Angeles, Cal.</i>	44 D.
Mason, George Claude,	(<i>High School, Jacksonville, Ill.</i>). 5½.	<i>Mason City, Ia.</i>	325 43d st.
Miller, Ashley Grant,	(<i>Kalamazoo College</i>).	<i>Howell, Mich.</i>	5435 Kimbark av.
Montague, John Young,	(<i>National Normal University</i>). 2¼.	<i>Pratt, Kan.</i>	60 D.
Morgan, Jennie Chaille,	(<i>Franklin College</i>). 4¼.	<i>Chicago.</i>	5558 Drexel av.
Perkins, Charles Alonzo,	(<i>Illinois State Normal University</i>). 2.	<i>Normal.</i>	Hope av. & 66th pl.
Schlosser, Thomas Franklin,	S.B. (<i>South Dakota Agricultural College</i>) '92. 3.	<i>Marion, S. D.</i>	70 D.
Sheafor, George Washington,	(<i>Bible Institute, Chicago</i>). 1.	<i>Sandwich, Ill.</i>	106 D.
Smith, Charles Houston,	(<i>Michigan State Normal School</i>). 4¼.	<i>Chicago.</i>	86 D.
Summers, Marshal Aaron,	(<i>Denton University</i>) '93. 4¼.	<i>Hinckley.</i>	65 D.
Wakeham, Nicholas,	(<i>Harley College, London, England</i>)	<i>Liverpool, England</i>	62 D.
Webster, James Lee,	(<i>South Dakota Agricultural College</i>). 1.	<i>Mitchell, S. D.</i>	63 D.
West, John Sherman,	S.B. (<i>Massachusetts Agricultural College</i>) '90. 5¼.	<i>Belchertown, Mass.</i>	57 D.
Witt, Stephen,	(<i>Hulme Cliff College, Eng.</i>) '93. 4.	<i>Lyndhurst, Hants, Eng.</i>	54 D.
			TOTAL, 27.

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Andersen, Andrew,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Andersen, Hans Peter,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Arnsbach, Christian Nielsen,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Chicago.</i>
Bentson, Samuel,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Helena, Mont.</i>
Børsheim, Sjur Olsen,	(<i>Morgan Park Scandinavian Academy.</i>)	
Christiansen, Christian George,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Racine, Wis.</i>
Christensen, Rasmus,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Montreal, Can.</i>
Hanson, Bertel,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Brookings, S. D.</i>
Holm, Fredrik Theodor,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Bornholm, Denmark.</i>
Jakobsen, Bertinus,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Valley City, N. D.</i>
Jakobsen, Hans Jakob,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Racine, Wis.</i>
Johnson, Abraham L.,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Oconomowoc, Wis.</i>
Knutsen, Dorothea Maren,	(<i>Morgan Park Scandinavian Academy.</i>)	<i>Fargo, N. D.</i>

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Kristoffersen, Sören,	(Morgan Park Scandinavian Academy.)	Tromsø, Norway.
Larsen, Christen,	(Morgan Park Scandinavian Academy.)	Aurora.
Larsen, Jakob,	(Morgan Park Scandinavian Academy.)	Trondhjem, Norway.
Larsen, Nils,	(Morgan Park Scandinavian Academy.)	Berton, S. D.
Nelson, Martin,	(Morgan Park Scandinavian Academy.)	Alden, Minn.
Nielsen, James Peter,	(Morgan Park Scandinavian Academy.)	Kasson, Minn.
Olsen, Olaf Martin,	(Morgan Park Scandinavian Academy.)	Chicago.
Overgaard, Peder Pedersen,	(Morgan Park Scandinavian Academy.)	Bjarkø, Norway.
Rasmussen, Lars,	(Morgan Park Scandinavian Academy.)	Berton, S. D.
Skotheim, Oluf,	(Morgan Park Scandinavian Academy.)	Berton, S. D.
Sether, Hans Hansen,	(Morgan Park Scandinavian Academy.)	Lakefield, Minn.
Westergaard, Annie,	(Morgan Park Scandinavian Academy.)	Walnut, Ia.
Wik, Konrad Johnson,	(Morgan Park Scandinavian Academy.)	Trondhjem, Norway.

TOTAL, 26.

THE SWEDISH THEOLOGICAL SEMINARY.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Alden, Carl Alfred,	(Morgan Park Scandinavian Academy.)	Omaha, Neb.
Anderson, Carl Adolf,	(Morgan Park Theological Seminary.)	Ironwood, Mich.
Anderson, Anton August,	(Morgan Park Scandinavian Academy.)	Alexandria, Minn.
Bäcklund, Lars Magnus,	(Morgan Park Scandinavian Academy.)	Arlington, N. J.
Björkqvist, Emanuel,	(Morgan Park Scandinavian Academy.)	St. Paul, Minn.
Burgason, Andrew Magnus,	(Bryant Business College.)	Stromsburg, Neb.
Calmer, Theodor Herman,	(Morgan Park Scandinavian Academy.)	Evanston.
Carlson, John Amandus,	(Morgan Park Scandinavian Academy.)	New York, N. Y.
Carlson, Oscar F.,	Special (Central Bible Seminary).	Galesburg.
Carlson, Sven Gustaf,	(Morgan Park Scandinavian Academy.)	Swea, Ia.
Clint, Rudolf Anton,	(Morgan Park Scandinavian Academy.)	Jamestown, N. Y.
Dahlén, Carl Olof,	(Morgan Park Scandinavian Academy.)	Moline.
East, Erik Hjalmar,	(Public School.)	Portland, Ore.
Erikson, Bennet,	(Morgan Park Scandinavian Academy.)	Grove City, Minn.
Gordh, Gustaf Arvid,	(Dr. Gordon's Mission School.)	Brooklyn, N. Y.
Johnson, Gustaf Adolf,	(Morgan Park Scandinavian Academy.)	Manistique, Mich.
Johnson, John Daniel,	(Morgan Park Scandinavian Academy.)	Litchfield, Minn.
Kumlin, Axel Nikodemus,	(Dr. Gordon's Mission School.)	Brooklyn, N. Y.
Lagerqvist, Arvid,	(Morgan Park Scandinavian Academy.)	Englewood.
Lindberg, Erik Alfred,	(Morgan Park Scandinavian Academy.)	New York, N. Y.
Lindström, Gustaf Wilhelm,	(Morgan Park Scandinavian Academy.)	Waterbury, Conn.
Lovene, Peter,	(High School.)	Red Wing, Minn.
Nelson, Nels,	(Morgan Park Scandinavian Academy.)	Minneapolis, Minn.
Nelson, Swaney August,	(Morgan Park Scandinavian Academy.)	Minneapolis, Minn.
Nylén, Carl Emil,	(Morgan Park Scandinavian Academy.)	Kansas City, Mo.
Nylin, Johan David,	(Morgan Park Scandinavian Academy.)	New Britain, Conn.
Oberg, Carl E.,	(Morgan Park Scandinavian Academy.)	Chicago.
Olson, Erik Walfrid,	(Bryant Business College.)	Stromsburg, Neb.
Olson, Lewis Ernest,	(Morgan Park Scandinavian Academy.)	Forest City, Ia.
Paulson, Adolf,	(Public School.)	St. Paul, Minn.
Peterson, Frans August,	(Morgan Park Scandinavian Academy.)	Kansas City, Mo.
Rosenlund, Martin Anderson,	(Morgan Park Scandinavian Academy.)	Englewood.

NAME.	SCHOOL OR INSTRUCTOR.	HOME ADDRESS.
Sandell, Victor,	(Morgan Park Scandinavian Academy.)	Iron River, Mich.
Scott, Carl Gustaf,	(Morgan Park Scandinavian Academy.)	Boston, Mass.
Wallman, Carl Linus,	(Morgan Park Scandinavian Academy.)	Altona.
Widen, Oscar Carl,	(Public School.)	New Sweden, Me.

TOTAL, 36.

NOTE.—The Students of the Dano-Norwegian and of the Swedish Theological Seminary reside in Walker Hall, Morgan Park, Ill.

THE UNIVERSITY COLLEGES.

NOTE.—The numerals which follow the name of the Collegiate degree for which the student is registered, indicate the number of majors with which the University College student has been credited.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Adams, Annie Lewis,	A.B., 33.	Lake Forest University.	Chicago.	846 S. Ashland av.
Adams, Victoria Anna,	A.B., 33.	Wellesley College.	Chicago.	Rosalie ct.
Agerter, Harriet Coe,	A.B., 23.	Morgan Park Academy.	Lima, O.	23 B.
Ballou, Susan Helen,	Ph.B., 20.	St. Katharine's Hall.	Davenport, Ia.	5716 Kimbark av.
Barnard, Harrison B.,	A.B., 30½.	Wooster University.	Englewood.	510, 62d st.
Beatty, Maria,	A.B., 31.	Lake High School.	Chicago.	4444 Emerald av.
Boomer, Jennie Kathryn,	Ph.B., 35½.	University of Michigan.	Chicago.	353 East 46th st.
Breyfogle, Caroline May,	A.B., 23¼.	Ohio State University.	Columbus, O.	10 B.
Brown, Carolyn Louise,	A.B., 24.	Elgin High School.	Elgin.	584 W. Adams st.
Carpenter, Paul Fant,	Ph.B., 32.	Coe College.	Cedar Rapids, Ia.	5620 Ellis av.
Chace, Henry Thurston, Jr.,	S.B., 23¼.	Hyde Park High School.	Chicago.	5740 Rosalie ct.
Chollar, Wilbur Thomas,	S.B., 23¼.	Carleton College.	Redwood Falls, Minn.	5736 Washington av.
Clark, Faith Benita,	Ph.B., 31.	Rockford Seminary.	Rockford.	The Colonies.
Cook, Agnes Spofford,	A.B., 26¼.	Wellesley College.	Normal.	23 F.
Cooley, Edwin Gilbert,	Ph.B., 31.	Iowa State University.	La Grange.	La Grange.
Curtis, John Birdsey,	A.B., 34.	University of Michigan.	Chicago.	7437 Nutt av.
Dougherty, Mabel,	A.B., 31¼.	University of Michigan.	Peoria.	F.
Ebersole, Abram,	A.B., 33.	University of Wisconsin.	Sterling.	2340 Indiana av.
Edmonson, Samuel Boone,	A.B., 32.	Kentucky University.	Chicago.	3702 Ellis av.
Flint, Joseph Marshall,	S.B., 31¼.	Princeton College.	Chicago.	275 E. Huron st.
Foster, Edith Burnham,	Ph.B., 21.	W. Division High School.	Chicago.	24 B.
Fox, Herbert Wright,	S.B., 32¼.	Union College.	Detroit, Mich.	5714 Kimbark av.
Foye, Charlotte Henderson,	A.B., 33.	Lawrence University.	Chicago.	422, 34th st.
Friedman, Joseph C.,	Ph.B., 25½.	So. Division High School.	Chicago.	3916 Prairie av.
Furness, Mary,	A.B., 25.	Lyons High School.	Chicago.	5609 Jackson av.
Gale, Henry Gordon,	A.B., 24¼.	Aurora High School.	Aurora.	3715 Langley av.
Gettys, Cora Margaret,	A.B., 24.	Morgan Park Academy.	Chicago.	5855 Wright st.
Gilpatrick, Rose Adelle,	Ph.B., 27.	Colby University.	Hallowell, Me.	41 B.
Graves, Paul Spencer,	A.B., 23.	Evanston High School.	Evanston.	537, 55th st.
Haft, Della May,	Ph.B., 23.	Morgan Park Academy.	Chicago.	9 Ray st.
Hamilton, Aletheia,	A.B., 34.	Ohio Wesleyan University.	Chicago.	4720 Madison st.
Hancock, Arthur Boyd,	A.B., 33.	Johns Hopkins University.	Overton, Va.	5714 Kimbark av.
Hay, Mary,	Ph.B., 32¼.	Butler University.	Englewood.	5711 Rosalie ct.
Heil, John Henry,	A.B., 32¼.	Northwestern University.	Chicago.	3818 Rhodes av.
Hobart, Ralph Hastings,	S.B., 29.	Beloit College.	Chicago.	5110 East End av.
Hopkins, Frances Inez,	Ph.B., 29½.	Wellesley College.	Pueblo, Colo.	47 F.
Howard, Harry Cooper,	Ph.B., 33¼.	Kalamazoo College.	Kalamazoo, Mich.	5736 Washington av.
Hughes, Robert Lee,	A.B., 32.	Mount Hermon School, Massachusetts.	Prospect, N. Y.	5728 Rosalie ct.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Hulshart, John,	A.B., 24.	<i>Peddie Institute, N. J.</i>	<i>Farmingdale, N. Y.</i>	47 Sn.
Hunt, Esther D.,	A.B., 33.	<i>Penn. College.</i>	<i>Oskaloosa, Ia.</i>	5724 Drexel av.
Hurlbut, Lila Cole,	Ph.B., 22½.	<i>Omaha High School.</i>	<i>Chicago.</i>	465 Bowen av.
Hutchison, Jennie Gordon,	A.B., 30¼.	<i>(Buena Vista College) '93.</i>	<i>Cherokee, Ia.</i>	5558 Lexington av.
Jones, Nellie Lauder,	Ph.B., 25.	<i>Mt. Holyoke College.</i>	<i>Peoria.</i>	5417 Cottage Grove av.
Karpen, Julius,	Ph.B., 27.	<i>University of Illinois.</i>	<i>Chicago.</i>	36 Potomac av.
Klock, Martha Frances,	A.B., 25.	<i>Smith College.</i>	<i>Oneida, N. Y.</i>	43 B.
Lamay, John,	S.B., 30¼.	<i>Northwestern University.</i>	<i>Evanston.</i>	46 Sn.
Leiser, Joseph,	A.B., 35.	<i>University of Rochester.</i>	<i>Rochester, N. Y.</i>	51 Sn.
Lewis, Mary Catherine,	A.B., 33.	<i>University of Michigan.</i>	<i>Chicago.</i>	5605 Madison av.
Lewis, Susan Whipple,	A.B., 33.	<i>University of Michigan.</i>	<i>Chicago.</i>	5605 Madison av.
Looney, Bell Eugene,	A.B., 35.	<i>Trinity University.</i>	<i>Farmersville, Tex.</i>	578 E. 60th st.
Luttrell, Estelle,	A.B., 26.	<i>Christian University.</i>	<i>Canton, Mo.</i>	Hotel Ingram.
Maynard, Mary Dunklee,	Ph.B., 24¼.	<i>Vassar College.</i>	<i>Milwaukee, Wis.</i>	17 B.
Minard, Frederick Horace,	S.B., 28¼.	<i>Drury College.</i>	<i>Chicago.</i>	Hotel Barry.
Moffatt, William Eugene,	A.B., 26.	<i>No. Division High School.</i>	<i>Chicago.</i>	6040 Washington av.
Moore, John Howard,	A.B., 33¼.	<i>Oskaloosa College.</i>	<i>Cawker City, Kans.</i>	5496 Ellis av.
Noble, Jane Frances,	Ph.B., 33.	<i>University of Michigan.</i>	<i>Rice Lake, Wis.</i>	5474 Greenwood av.
Osgood, William Pleasants,	Ph.B., 33¼.	<i>Northwestern University.</i>	<i>Austin.</i>	5437 Indiana st., Austin.
Packer, Anna Sophia,	A.B., 32¼.	<i>Oberlin College.</i>	<i>Chicago.</i>	558, 55th st.
Peabody, Earll Williams,	Ph.B., 22.	<i>Morgan Park Academy</i>	<i>Chicago.</i>	5747 Madison av.
Pierce, Lucy Frances,	A.B., 33¼.	<i>Vassar College.</i>	<i>Chicago.</i>	4847 Grand boul.
Porterfield, Cora Maud,	A.B., 29.	<i>Illinois State Normal Univ.</i>	<i>Normal.</i>	3715 Langley av.
Raycroft, Joseph Edward,	A.B., 25¼.	<i>Worcester Academy, Mass.</i>	<i>Boston, Mass.</i>	21 Sn.
Robinson, Irene Elizabeth,	A.B., 33¼.	<i>Vassar College.</i>	<i>Englewood.</i>	5492 Lexington av.
Root, Martha Louise,	A.B., 31.	<i>Oberlin College.</i>	<i>Cambridgeboro, Pa.</i>	B.
Sass, Louis,	Ph.B., 26.	<i>W. Division High School.</i>	<i>Chicago.</i>	24 G.
Schnelle, Friedrich Oscar,	S.B., 33.	<i>Real Gymnasium, Landshut (Germany).</i>	<i>Görlitz, Germany.</i>	30 Sn.
Sherman, Franklyn Cole,	A.B., 32¼.	<i>Cornell College.</i>	<i>Chicago.</i>	3724 Ellis av.
Sherwin, Annette,	A.B., 27¼.	<i>Wellesley College.</i>	<i>Denver, Colo.</i>	F.
Smith, Kenneth Gardner,	A.B., 23¼.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	53 Sn.
Sperans, Joel,	Ph.B., 29.	<i>Gymnasium, Taganrog, Russia.</i>	<i>Russia.</i>	16 Sn.
Stagg, Stella Robertson,	A.B., 26.	<i>Albion High School, N. Y.</i>	<i>Chicago.</i>	5702 Jackson av.
Stone, Harry Wheeler,	A.B., 24¼.	<i>So. Division High School.</i>	<i>Chicago.</i>	3411 Vernon av.
Swarte, Lawrence James de,	A.B., 34¼.	<i>Beloit College.</i>	<i>Milwaukee, Wis.</i>	580, 60th st.
Thomas, Mary Susan,	Ph.B., 24.	<i>Northwestern University.</i>	<i>Myersdale, Pa.</i>	Students' Hall, Englewood.
Todd, Elmer Ely,	A.B., 26¼.	<i>Morgan Park Academy.</i>	<i>Dixon.</i>	5537 Lexington av.
Tolman, Cyrus Fischer, Jr.,	S.B., 23¼.	<i>Morgan Park Academy.</i>	<i>Chicago.</i>	41 University pl.
Van Vliet, Alice,	A.B., 29.	<i>So. Division High School.</i>	<i>Chicago.</i>	351, 58th st.
Webster, Ralph Waldo,	Ph.B., 33.	<i>Monmouth College.</i>	<i>Monmouth.</i>	5745 Rosalie ct.
Whyte, James Primrose,	A.B., 26¼.	<i>Brown University.</i>	<i>Waukegan.</i>	5558 Drexel av.
Williams, Charles Byron,	A.B., 19¼.	<i>University of Rochester.</i>	<i>Minneapolis, Minn.</i>	691, 57th st.
Williams, John William,	Ph.B., 35¼.	<i>Cornell College.</i>	<i>Norwood Park.</i>	Sn.
Willis, Gwendolin Brown,	A.B., 23¼.	<i>Racine Academy.</i>	<i>Racine, Wis.</i>	5551 Lexington av.
Williston, Frances Greenwood,	A.B., 25¼.	<i>So. Division High School.</i>	<i>Elmhurst.</i>	5737 Kimbark av.
Woods, Frank William,	A.B., 32¼.	<i>Colorado College.</i>	<i>Colorado Springs, Colo.</i>	5726 Monroe av.
Yundt, Emery Roscoe,	Ph.B., 29¼.	<i>Mt. Morris College.</i>	<i>Mt. Morris,</i>	5709 Drexel av.

TOTAL, 87.

THE ACADEMIC COLLEGES.

NOTE.—The numerals which follow immediately upon the name of the Collegiate degree for which the student is registered indicate the number of majors with which the student is credited in the Academic Colleges; in cases where a second numeral is added, it indicates the number of University College majors which the Academic College student has acquired.

NAME.	COLLEGE ; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abbott, Walter Hazelton,	S.B., 14, 7.	Pennington Seminary.	Camden, N. J.	5802 Jackson av.
Abernethy, Herbert Alonzo,	A.B., 5.	Des Moines College.	Osage, Ia.	43 Sn.
Adkinson, Henry Magee,	A.B., 16, 5.	Englewood High School.	Chicago.	5552 Wentworth av.
Allen, William Harvey,	A.B., 16.	Carleton College.	Le Roy, Minn.	5746 Jackson av.
Alschuler, Leon,	Ph.B., 16½.	South Division High School.	Chicago.	2216 Wabash av.
Anderson, Eva Ellen,	Ph.B., 9.	Hyde Park High School.	Chicago.	5522 East End av.
Anderson, Swen Benjamin,	Ph.B., 5.	Northwest Div. High School.	Chicago.	882 Shober st.
Apps, Sarah Elizabeth,	Ph.B., 12.	South Side School.	Chicago.	2551 South Park av.
Arbogast, William Henderson,	A.B., 6, 4.	Illinois State Normal Univ.	Normal.	6320 Rhodes av.
Arnold, Oswald James,	Ph.B., 14½, 6.	No. Division High School.	Chicago.	24 Maple st.
Atwood, Wallace Walter,	Ph.B., 14, 5.	W. Division High School.	Chicago.	4531 Forestville av.
Bachellé, Cecil V.,	S.B., 17.	Chicago Academy.	Chicago.	47 Sn.
Bachman, Frank Puterbaugh,	A.B., 13, 4.	Illinois State Normal Univ.	Mackinaw.	5700 Jackson av.
Baird, Mary Brooks,	A.B., 18½, 4½.	Southern Kansas Academy.	Eureka, Kans.	5815 Madison av.
Baker, Edward Max,	A.B., 5.	Erie High School.	Erie, Pa.	3612 Grand boul.
Baker, Georgia Cary,	Ph.B., 17, 5½.	Cornell University.	Harrisville, N. Y.	5316 Jefferson av.
Baldwin, Ann,	A.B., 4, 6½.	The South Side School.	Chicago.	47 Woodlawn av.
Ball, Florence Fielding,	Ph.B., 5.	Geneseo High School.	Joliet.	5701 Drexel av.
Ball, Helen Huntington,	Ph.B., 5.	Geneseo High School.	Joliet.	5701 Drexel av.
Barrett, Charles Raymond,	Ph.B., 15.	Saratoga High School.	Saratoga Springs, N. Y.	46 Sn.
Barton, Alvin Lester,	A.B.	Chicago Preparatory School.	Chicago.	143 E. 47th st.
Bassett, Wilbur Wheeler,	Ph.B., 16.	Harvard University.	Chicago.	5208 Kimbark av.
Batt, Max,	Ph.B., 17.	So. Division High School.	Chicago.	3745 Vincennes av.
Beach, Clinton Stilwell,	S.B., 12.	Chicago Preparatory School.	Chicago.	57 Bryant av.
Beers, Arthur Edward,	Ph.B., 5.	South Division High School.	Chicago.	3403 Paulina st.
Beers, Ethel Ella,	A.B., 4.	South Division High School.	Chicago.	3414 S. Paulina st.
Bell, Glenrose M.,	Ph.B., 17, ½.	Ferry Hall, Lake Forest.	Chicago.	5810 Washington av.
Bennett, Lucy Lovejoy,	A.B., 17½, 1½.	Evanston High School.	Evanston.	5513 Washington av.
Bishop, William Reed,	Ph.B., 12½, 1½.	N. Y. State Normal School.	Oswego, N. Y.	578 E. 60th st.
Bliss, Charles King,	A.B., 17.	Morgan Park Academy.	Longwood.	Longwood.
Bliss, Gilbert Ames,	S.B., 13, 2.	Hyde Park High School.	Chicago.	4528 Lake av.
Bond, William Scott, Jr.,	Ph.B., 14.	Preparatory, Beloit College.	Chicago.	4025 Drexel boul.
Breeden, Waldo,	Ph.B., 15½.	Jamestown High School, N. Y.	Santa Fé, N. M.	15 Sn.
Broek, Herman John,	A.B., 14.	Hope College.	South Holland.	So. Holland.
Brown, Edwin Putnam,	A.B., 16, 7½.	Brown University.	Beaver Dam, Wis.	5558 Drexel av.
Brown, James Scott,	A.B., 11, 1.	Omaha High School.	Chicago.	6357 Wright st.
Browne, Agnes May,	A.B., 18½.	Morgan Park Academy.	Morgan Park.	Morgan Park.
Burkhalter, Mary,	A.B., 2.	Coe College.	Cedar Rapids, Ia.	5815 Madison av.
Burkhalter, Robert Proseus,	A.B., 3.	Knox College.	Galesburg.	48 Sn.
Burns, Allen Tibbals,	A.B., 10.	Hyde Park High School.	Chicago.	5639 Washington av.
Burns, William Marsh,	A.B., 2.	South Side School.	Chicago.	5639 Washington av.
Bushnell, Charles Joseph,	Ph.B., 5.	Englewood High School.	Chicago.	544, 59th st., Englew'd
Butler, Sarah Elizabeth,	Ph.B., 11, ½.	Girls' Classical School, Indianapolis.	Indianapolis, Ind.	Kl.
Campbell, Harry Bartlett,	Ph.B., 5.	Geneseo High School.	Joliet.	5630 Ingleside av.
Campbell, Hilary Erskine,	A.B.	South Side School.	Chicago.	5506 Monroe av.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Campbell, John Tyler,	S.B., 16, 2.	Washburn College, Topeka, Kans.	Cheney, Kans.	5620 Ellis av.
Campbell, Joseph White,	Ph.B., 6½.	Phillips Academy. Andover, Mass.	Cambridge, O.	5736 Washington av.
Candee, Frances,	Ph.B., 12½.	Wells College.	Chicago.	12 F.
Capen, Charlotte Briggs,	Ph.B., 7½.	Illinois State Normal Univ.	Bloomington.	1 F.
Carroll, Percy Peyton,	Ph.B., 17, 11½.	Hanover College.	Marion, Ind.	5717 Madison av.
Chamberlin, Elisabeth,	Ph.B., 7½.	South Side School.	Chicago.	2311 Indiana av.
Chamberlin, John Clark, Jr.,	A.B., 12½.	South Side School.	Chicago.	17 G.
Clarke, Henry Love,	Ph.B., 14, 14.	So. Division High School.	Chicago.	3338 Calumet av.
Clarke, Henry Tefft, Jr.,	Ph.B., 15½, 1.	Williams College.	Omaha, Neb.	6357 Wright st.
Coleman, Melvin Edward,	A.B., 5.	University of Minnesota.	Chicago.	5311 Madison av.
Cooke, Florence Elizabeth,	Ph.B., 2.	Lake View High School.	Chicago.	5512 Madison av.
Coolidge, Elizabeth Teasdale,	A.B., 17½, 11.	So. Division High School.	Chicago.	6032 Monroe av.
Cornish, Charlotte Harrison,	Ph.B., 12.	Morgan Park Academy,	Gillette, N. J.	5718 Kimbark av.
Cosgrove, Marion Vernon,	A.B., 12, 2.	South Side School.	Chicago.	6315 Oglesby av.
Crafts, Helen,	Ph.B., 10.	Wellesley College.	Austin.	5700 Jackson av.
Crandall, Vinnie May,	Ph.B., 15.	Harvard School.	Chicago.	3844 Ellis av.
Crookham, Sara,	Ph.B., 15, 4½.	Mt. Holyoke College,	Oskaloosa, Ia.	6054 Sheridan av.
Cullen, Charles Edward,	A.B., 7.	South Chicago High School.	South Chicago.	8908 Commercial av.
Currier, Evelyn Belle,	Ph.B., 8½.	Evelyn College.	Chicago.	4725 Kimbark av.
Davis, George Meredith,	Ph.B., 1.	West Aurora High School.	Aurora.	42 Sn.
Davis, Percy Boyd,	Ph.B., 8.	Hyde Park High School.	Chicago.	241 Oakwood av.
Deffenbaugh, Walter,	Ph.B., 7.	University of Michigan.	South Bend, Ind.	5 G.
Dibell, Charles Dorrance,	A.B., 18½, 6.	Morgan Park Academy.	Joliet.	24 G.
Dickerson, Spencer Cornelius,	S.B., 13, 1.	Tillotson Institute.	Austin, Texas.	3 Sn.
Dignan, Frank Winans,	A.B., 15.	Hyde Park High School.	Chicago.	5853 Indiana av.
Dornisfe, Samuel Seiler,	A.B., 12.	Morgan Park Academy.	Chicago.	521 E. 45th st.
Dougherty, Horace Raymond,	A.B., 15½, 6½.	University of Michigan.	Peoria,	9 G.
Dougherty, Ralph Leland,	A.B., 14½, 1.	Peoria High School.	Peoria.	9 G.
Downing, Alice May,	A.B., 17.	Wellesley College.	Aurora.	5500 Jackson av.
Drew, William Prentiss,	A.B., 16, 2.	Englewood High School.	Chicago.	535, 67th st.
Dudley, Raymond Carleton,	Ph.B., 16½, 6.	Morgan Park Academy.	Chicago.	2613 Indiana av.
Dumke, Julia Florinda,	S.B., 3.	Morgan Park Academy.	Belle Plaine, Ia.	F.
Durand, Herbert Cassius,	A.B., 15.	Hyde Park High School.	Chicago.	435 East 41st st.
Eberhart, Grace Josephine,	Ph.B., 5.	South Side School.	Chicago Lawn.	3517, 64th st.
Ebersole, Amos A.,	A.B., 7.	Hilledale College.	Sterling.	2340 Indiana av.
Eldred, Stella Rennie,	Ph.B., 4.	Illinois State Normal Univ.	Gardner.	5622 Ellis av.
Ely, Jessie Harrison,	Ph.B., 5.	South Side School.	Englewood.	6805 Perry av.
Enelow, Hyman Gerson,	Ph.B., 5.	Real Schl., Poneviesh, Russia.	Libau, Russia.	5614 Drexel av.
Evans, Edward Brice,	A.B., 12, 1.	Cook Academy.	Chicago.	433 E. 58th st.
Evans, Florence Bertha,	Ph.B., 4.	Illinois State Normal Univ.	Bloomington,	B.
Feilchenfeld, Sara,	Ph.B., ½.	Corry, Pa., High School.	Chicago.	5529 Monroe av.
Fesler, Mayo Ralph,	Ph.B., 5.	De Pauw University.	Morgantown, Ind.	578, 60th st.
Finney, Julia Metcalfe,	Ph.B., 2.	Hyde Park High School.	Chicago.	5755 Madison av.
Fish, Arthur Carlton,	Ph.B.	Cornell University.	Chicago.	4107 Ellis av.
Fish, Clarence Everett,	Ph.B., 9.	South Division High School.	Chicago.	8 Haven st.
Fish, Leila Gladys,	Ph.B., 14.	So. Division High School.	Chicago.	3226 Calumet av.
Flanders, Knight French,	A.B., 9½.	South Side School.	Chicago.	64, 23d st.
Flint, Nott William,	A.B., 11½.	Lake Forest Academy.	Chicago.	275 E. Huron st.
Fogg, Emily,	A.B., 14½, 5.	Wellesley College.	Chicago.	130, 50th st.
Ford, Margaret,	A.B., 14.	South Side School.	Chicago.	6011 Ellis av.

RECORDS.

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NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Fox, Andrew Noah,	A.B., 14½, 12½.	Butler University.	Chicago.	1280 Wilcox av.
Freeman, Grace,	A.B., 17, 6.	Wellesley College.	Aurora.	11 F.
Freeman, Joseph Edwin,	Ph.B., 5.	East Aurora High School.	Aurora.	36 Sn.
Freeman, Mabel Dora,	Ph.B., 3.	Hyde Park High School.	Chicago.	5760 Woodlawn av.
Freeman, Marilla Waite,	Ph.B., 15½, 2.	Elmira College.	Naperville.	F.
Frutchey, Marcus Peter,	A.B., 8.	Private Study.	Philadelphia.	5728 Rosalie ct.
Garver, Roy Cyrus,	Ph.B., 14, 4.	Oberlin College.	Bloomington.	560 E. 55th st.
Gatzert, Blanche,	Ph.B., 12.	So. Division High School.	Chicago.	3628 Grand boul.
Geselbracht, Franklin Hermon,	A.B., 5.	North Division High School.	Chicago.	257 Fremont st.
Gilchrist, Charles Chandler,	Ph.B., 2.	Lake View High School.	Ravenswood.	324, 57th st.
Gleason, Fred,	S.B., 13, 6.	University of Iowa.	Englewood.	330 Chestnut st.
Goldsmith, Lillian Rosalia,	Ph.B., 8.	Chicago Academy.	Chicago.	Kl.
Goodell, Caroline May,	Ph.B., 10, 6.	Iowa College.	New York, Ia.	5729 Kimbark av.
Goodman, Charles Augustus,	A.B., 14.	South Side School.	Chicago.	4 G.
Grant, Forest,	A.B., 11, 1.	Lake Forest College.	Stevens Point, Wis.	31 Sn.
Graves, Eva Bronson,	Ph.B., 14, ¼.	Harvard School.	Chicago.	4526 Woodlawn av.
Graves, Laura Belcher,	S.B., 11, 4.	Harvard School.	Memphis, Tenn.	4526 Woodlawn av.
Graves, Mary Browne,	A.B., 2.	Lyons Township High School.	LaGrange.	Kl.
Graves, Robert Elliott,	S.B., 2.	Hyde Park High School.	Chicago.	5663 Washington av.
Greenbaum, Julius Curtis,	Ph.B., 10, 3.	South Division High School.	Chicago.	156, 31st st.
Griswold, Roy Coleman,	Ph.B., 5.	South Division High School.	Chicago.	3236 Forest av.
Guthrie, Emily Wilson,	A.B., 12.	South Side School.	Chicago.	4032 State st.
Gwin, James Madison,	Ph.B., 12.	Harvard School.	Chicago.	4558 Oakenwald av.
Hagey, John Franklin,	A.B., 2.	Davenport High School.	Chicago.	4247 Calumet av.
Hale, William Browne,	A.B., 5.	Private Instruction.	Chicago.	4545 Drexel boul.
Harding, Susan Grace,	A.B., 6.	South Division High School,	Chicago.	B.
Harms, Frank Henry,	A.B., 2.	North Division High School.	Chicago.	6543 LaFayette st.
Harris, Juliet,	A.B., 6.	West Division High School,	Chicago.	Kl.
Harris, Morton D.,	Ph.B., 4.	West Aurora High School.	Aurora.	580, 60th st.
Hay, Fannie Steele,	Ph.B., 15.	Butler University.	Englewood.	5711 Rosalie ct.
Hayward, Philip,	A.B., 9, 3.	The Harvard School.	Chicago.	4446 Woodlawn av.
Henderson, Hermann Charles,	A.B., 17, 16.	University of New Brunswick.	Andover, N. B.	578, 60th st.
Hering, Frank Earle,	Ph.B., 13.	Williamsport High School.	Williamsport, Pa.	45 Sn.
Herschberger, Clarence Bert,	A.B., 5.	Peoria High School.	Peoria, Ill.	22 Sn.
Hessler, John Charles,	A.B., 9, 11½.	Northwestern University.	Chicago.	346, 55th st.
Hewitt, Henry Harwood,	A.B., 14½.	Morgan Park Academy.	Chicago.	5535 Lexington av.
Higgins, William Addison,	A.B., 16, 9¼.	Wabash College.	N. Indianapolis, Ind.	5800 Jackson av.
Hill, Elizabeth Gertrude,	A.B., 16, 15½.	Mt. Holyoke Seminary.	Red Wing, Minn.	B.
Holloway, Harry Cyrus,	S.B., 13, 10½.	Chicago Manual Training School.	Chicago.	3436 Prairie av.
Holton, Nina Gates,	S.B., 5.	Zürich University.	Andover, Mass.	5800 Jackson av.
Hopkins, Allan,	A.B., 5.	Omaha High School.	Omaha, Neb.	717, 57th st.
Hoyt, Allen Gray,	Ph.B., 5.	West Aurora High School.	Aurora.	580, 60th st.
Hubbard, Harry David,	A.B., 12, 13.	Temple College.	Philadelphia, Pa.	25 G.
Hurlbutt, Wells Henry, Jr.,	A.B., 4.	Springfield High School.	Geneva, O.	5620 Ellis av.
Hutchings, Josephine Lillian,	Ph.B., 13.	Miss Lupton's School.	Madison, Ind.	5716 Washington av.
Hyman, Isaac Barney,	A.B., 11.	Morgan Park Academy.	Chicago.	83, 33d st.
Ickes, Harold Le Claire,	A.B., 9½.	Englewood High School.	Altoona, Pa.	5552 Wentworth av.
Ide, Adelaide Melcher,	A.B., 17, 7.	Wellesley College.	Apia, Samoa.	31 B.
Jackson, Cora Belle,	A.B., 17½, 4.	Howard University.	Chicago.	5429 Jackson av.
Jackson, William Hayden,	A.B., 9.	Hyde Park High School.	Chicago.	5726 Monroe av.
Janssen, Ralph J.,	A.B., 6.	Hope College.	Zeeland, Mich.	578, 60th st.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Jegi, John I.,	S.B., 16½, 7.	University of Wisconsin.	Chicago.	455, 55th st.
Jenkinson, Harriet Edith,	Ph.B., 10.	South Side School.	Newark.	410, 64th st.
Johnson, Charles Leo,	S.B.	Cornell University.	Chicago.	353 Carroll av.
Johnson, Franklin, Jr.,	A.B., 14, 14.	Harvard University.	Chicago.	Hotel Barry.
Johnson, Ralph Hiram,	A.B., 16, 6.	Kenyon Military Academy, Ohio.	Marion, Ind.	10 G.
Johnson, Victor Oscar,	A.B., 16½, 8.	Northwestern University.	Genoa, Neb.	5728 Rosalie ct.
Jones, Raymond Alger,	A.B., 16, 6.	University of Nebraska.	Lincoln, Neb.	155, 53d st.
Jordan, Herbert Ray,	Ph.B., 12½.	Morgan Park Academy.	Chicago.	5496 Ellis av.
Kane, Theodosia B.,	Ph.B., 14.	Chicago Academy.	Chicago.	Kl.
Keen, Ethel,	S.B., 4.	Mrs. Loring's School.	Chicago.	Kl.
Kellogg, Edith Sarah,	S.B., 17½, 9½.	Iowa College.	Correctionville, Ia.	2970 Groveland av.
Kella, Mabel Avery,	A.B., 14.	Sauk Centre High School.	Sauk Centre, Minn.	14 B.
Kennedy, Jennette,	Ph.B., 12.	Ferry Hall Seminary.	Rib Lake, Wis.	Kl.
Kern, William Casper,	S.B., 2, 3.	West Point Military Acad.	Fort Wayne, Ind.	5802 Jackson av.
Kerr, Mary Luella,	A.B., 16, 6½.	Morgan Park Academy.	Washington, Ia.	F.
Kienzle, Frederick William,	A.B., 4.	Hanover College.	Moorefield, Ind.	578, 60th st.
Lackner, Edgar Cranfield,	Ph.B., 14½.	University of Michigan.	Aurora.	40 Sn.
Lansingh, Van Renesselaer,	S.B., 15, 11½.	College of City of N. Y.	Chicago.	5109 Kimbark av.
Law, Robert, Jr.,	Ph.B., 8½.	South Side School.	Chicago.	5120 East End av.
Lee, Maurice Brown,	A.B.	Georgetown University.	Dubuque, Ia.	Hotel Barry.
Lenington, Nellie Blanche,	Ph.B., 5.	South Division High School.	Chicago.	207, 36th st.
Lester, Irwin,	S.B., 2.	Tuscola High School.	Tuscola.	5333 Greenwood av.
Lester, Minnie,	Ph.B., 4.	Tuscola High School.	Tuscola.	5333 Greenwood av.
Lewis, John Simon, Jr.,	A.B., 14½, 14.	Beloit College.	Dubuque, Ia.	5736 Washington av
Lingle, Bowman Church,	A.B., 17, 8.	Morgan Park Academy.	Chicago.	3144 Vernon av.
Linn, James Weber,	A.B., 17½, 1.	Buena Vista College.	Storm Lake, Ia.	38 Sn.
Lipsky, Harry Alexander,	S.B., 15½, 6.	Morgan Park Academy.	Chicago.	81, 31st st.
Loeb, Ludwig,	S.B., 14, 5.	No. Division High School.	Chicago.	528 Dearborn av.
Loesch, Angie,	A.B., 10.	No. Division High School.	Chicago.	8 F.
Lovejoy, Mary Evelyn,	A.B., 13, 2.	Wellesley College.	Chicago.	347 E. 56th st.
Lovett, William Pierce,	A.B., 6.	Des Moines College.	Davenport, Ia.	5726 Monroe av.
Macomber, Charles Coombs,	Ph.B., 14, 1.	Simpson College.	Carroll, Ia.	48 Sn.
Mandel, Edwin Frank,	A.B., 9.	Harvard School.	Chicago.	3400 Michigan av.
Mandeville, Paul,	A.B., 3.	Englewood High School.	Chicago.	6410 Stewart av.
Manning, Grace Emma,	Ph.B., 11½.	De Pauw University.	Peru, Ind.	440, E. 57th st.
Manning, Lucia May,	Ph.B., 14½.	De Pauw University.	Peru, Ind.	440, E. 57th st.
Martin, Helen Mabel,	Ph.B., 6½, 1.	South Division High School.	Chicago.	3122 Rhodes av.
McClenahan, Henry Stewart,	S.B., 6½, 1.	Lake Forest College.	Macomb.	346½ 56th st.
McClintock, Anna James,	Ph.B., 12, 11.	Millersburgh Female College.	Millersburgh, Ky.	Kl.
McGee, Harry Laverne,	Ph.B., 8.	South Side School.	Chicago.	1927 Indiana av.
McGillivray, Clifford Bottsford,	S.B., 13, 3.	Morgan Park Academy.	Chicago.	4350 Oakwald av.
McIntyre, Moses Dwight,	A.B., 5.	Hyde Park High School.	Milwaukee, Wis.	19 Sn.
McKinley, Albert Edward,	Ph.B., 17, 6.	Temple College.	Philadelphia, Pa.	25 G.
McNeal, Edgar Holmes,	A.B., 17, 4½.	Lake Forest University.	Chicago.	7441 Victoria av.
Meloy, Robert Bingham,	A.B., 11.	Washington and Jefferson College.	Chicago.	149 S. Paulina st.
Mentzer, John Preston,	Ph.B., 6.	Cornell College.	Marion, Ia.	5728 Rosalie ct.
Merrifield, Fred,	A.B., 5.	Ottawa High School.	Ottawa.	6130 Lexington av.
Meessick, Elizabeth,	Ph.B., 17, 2.	Miss Higbee's Academy.	Memphis, Tenn.	Kl.
Mighell, Jessie Curry,	Ph.B., 2.	West Aurora High School.	Aurora.	6156 Oglesby av.
Miller, Elsie Prince,	Ph.B., 4.	West Aurora High School.	Aurora.	5 B.

RECORDS.

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NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'.	HOME ADDRESS.	PRESENT ADDRESS.
Miller, Ethel Dike,	Ph.B., 5.	West Aurora High School.	Aurora.	5 B.
Mitchell, Wesley Clair,	A.B., 17, 8.	Decatur High School.	Decatur.	5800 Jackson av.
Moore, Ruth Ellen,	A.B., 6.	Illinois State Normal Univ.	Bloomington.	15 B.
Morgan, Marion Sherman,	Ph.B., 17, 3½.	Smith College.	Chicago.	F.
Morgan, Thomas Seaborn,	A.B., 16, 7.	Bucknell University.	Chicago.	5623 Drexel av.
Moesser, Stacy Carroll,	Ph.B., 14.	Hedding College.	Abingdon.	62 Sn.
Neal, Edith Leavitt,	A.B., 4.	Hyde Park High School.	Chicago.	4604 Langley av.
Neel, Carr Baker,	S.B., 15, 9½.	Oakland High School, Cal.	Chicago.	3718 Ellis av.
Nelson, Jessie Louisa,	Ph.B., 12.	Columbian College, Washington, D. C.	Helena, Montana.	F.
Nichols, Frederick Day,	A.B., 14, 4½.	Cedar Valley Seminary, Ia.	Osage, Ia.	27 Sn.
Noll, Elizabeth Margaret,	A.B.	Lyons Township High School.	La Grange.	6150 Wabash av.
Norwood, Joseph,	S.B., 10½.	Furman University.	Greenville, S. C.	578 E. 60th st.
O'Brien, Nellie Regina,	Ph.B., 1.	Lake View High School.	Chicago.	4717 Prairie av.
Oglevee, Nannie Gourley,	Ph.B., 11.	Wells College.	Columbus, O.	3000 Indiana av.
Osborne, Sarah Nicoll,	A.B., 5.	Mrs. Loring's School.	Chicago.	4455 Grand boul.
Osgood, Ella Maria,	Ph.B., 15.	Oneida High School, N. Y.	Verona, N. Y.	B.
Paddock, Catherine Dix,	Ph.B., 4½.	North Division High School.	Chicago.	5437 Cornell av.
Patterson, Theodore Hiram,	A.B., 4.	Northwestern University.	Chicago.	194, 37th st.
Payne, Walter A.,	Ph.B., 16, 13.	Missouri State Normal.	Hurdland, Mo.	578, 60th st.
Peirce, Alice,	A.B., 16.	University of Michigan.	Chicago.	5464 Washington av.
Perkins, Mary,	Ph.B., 15.	W. Division High School.	Chicago.	28 Kl.
Pershing, Ward Beecher,	S.B., 13, 1.	South Side School.	Chicago.	337, 53d st.
Peterson, Harvey Andrew,	A.B., 16.	St. Louis High School.	St. Louis, Mo.	37 Sn.
Pettet, Neletta Elida,	Ph.B.	Englewood High School.	Chicago.	656, 53d st.
Pienkowsky, Arthur Thaddeus,	Ph.B., 12.	Morgan Park Academy.	Chicago.	5806 Drexel av.
Pike, Charles Sumner,	A.B., 14½, 11.	So. Division High School.	Chicago.	3908 Ellis av.
Piper, Margaret,	Ph.B., 9.	Northwestern University.	Chicago.	3521 Bloom st.
Pomeroy, George Strickland,	S.B.	St. Ignatius College.	Chicago.	63 Sn.
Pringle, Lewis Alexander,	A.B.	Englewood High School.	Chicago.	8754 Elizabeth st.
Radford, May Eugenia,	A.B., 17, 1.	Leroy Union School, N. Y.	Buffalo, N. Y.	117, 55th st.
Rand, Philip,	Ph.B., 14.	Phillips Exeter Academy.	Chicago.	12 G.
Randall, Henry Hulbert,	S.B., 12½, 4.	University of Minnesota.	St. Paul, Minn.	55th st & Ellis av.
Raster, Walther,	S.B., 2.	Harvard School.	Chicago.	391 Jackson boul.
Reddy, Mary E.,	S.B., 3, 1.	Morgan Park Academy.	Chicago.	3244 Indiana av.
Reed, Rufus Maynard,	S.B.	Polo High School.	Polo.	6117 Washington av.
Rees, Louis Pearl,	A.B.	Sioux City High School.	Sioux City, Ia.	317 E. 63d st.
Rice, Inez Dwight,	Ph.B., 5.	West Division High School.	Chicago.	19 Pratt Place.
Richards, Carl Ernst,	A.B., 11, 8½.	Iowa College.	Red Oak, Ia.	5496 Ellis av.
Richardson, William Derrick,	S.B., 5.	Hyde Park High School.	Chicago.	4803 Madison av.
Robinson, David Moore,	A.B., 6.	Polytechnic Institute, Brook- lyn, N. Y.	Chicago.	6636 Wright st.
Roby, Charles Foster,	Ph.B., 3½.	Notre Dame University.	Roby, Ind.	34 Sn.
Rothschild, Isaac Solomon,	S.B., 15, 2.	W. Division High School.	Chicago.	427 Carroll av.
Rubel, Maurice,	S.B., 5.	South Division High School.	Chicago.	4 G.
Rudd, Arthur Horace,	S.B., 7.	West Division High School.	Chicago.	7082 S. Chicago av.
Rugh, Ralph Elliott,	A.B., 1½.	South Side School.	Fort Collins, Colo.	6126 Ingleside av.
Runyon, Laura Louise,	Ph.B., 7.	Plainfield High School.	Plainfield, N. J.	40 F.
Russell, Loren Milford,	S.B., 12, 4.	Morgan Park Academy.	Englewood.	6357 Stewart av.
Ryan, Eugene,	A.B.	Georgetown College.	Dubuque, Iowa.	Hotel Barry.
Sampell, Marshall Emmett,	A.B., 15½, 4½.	Morgan Park Academy.	Chicago.	6851 Wentworth av.
Schoenfeld, Charles Joseph,	S.B., 5.	South Division High School.	Chicago.	360 Oakwood boul.
Schwarz, Edith Ewing,	Ph.B., 14, 1.	Englewood High School.	Englewood.	F.

THE QUARTERLY CALENDAR.

NAME.	COLLEGE; MAJORS.	SCHOOL OR INST'N.	HOME ADDRESS.	PRESENT ADDRESS.
Scott, Laura May,	A.B., 5.	Armour Institute.	Chicago.	6754 Lafayette av.
Sealey, Grace Arabella,	A.B., 15½, 2½.	Illinois Wesleyan University.	Normal.	F.
Seavey, Harriet Louise,	Ph.B., 5.	Hyde Park High School.	Chicago.	4626 Champlain av.
Shire, Millie,	Ph.B., 3.	Chicago Academy.	Chicago.	557 Jackson av.
Shreve, Royal Ornan,	Ph.B., 7.	Illinois Wesleyan University.	Bloomington.	17 G.
Shutterly, John Jay, Jr.	Ph.B., 3.	Northwestern Academy.	Evanston.	1220 Chicago av.
Simpson, Burton Jesse,	S.B., 15½, 4½.	Morgan Park Academy.	Moline.	5800 Jackson av.
Simpson, Elmer William,	A.B., 3.	South Side School.	Oak Lawn.	Oak Lawn.
Sincere, Victor Washington,	A.B., 10.	South Side School.	Chicago.	2974 Wabash av.
Skillin, Abbie Eola,	S.B., 5.	Oak Park High School.	Oak Park.	F.
Slimmer, Max Darwin,	S.B.	South Division High School.	Chicago.	561 Kenwood pl.
Smith, Arthur Whipple,	S.B., 2.	Colgate Academy.	Chicago.	5039 Lake av.
Smith, Byron Bayard,	A.B.	South Side School.	Chicago.	7721 Union av.
Smith, Henry Justin,	A.B., 17½, 5½.	Morgan Park Academy.	Morgan Park.	5337 Lexington av.
Snite, Francis Joseph,	A.B., 5.	West Division High School.	Chicago.	20 Sn.
Spiegel, Max Jonas,	Ph.B.	South Division High School.	Chicago.	3145 So. Park av.
Spray, Jessie Nea,	A.B., 5.	West Division High School.	Chicago.	Kl.
Steigmeyer, Frederick Frank,	S.B., 7, 1½.	Buchtel College.	Attica, O.	5616 Drexel av.
Stevens, Raymond William,	A.B., 15, 3.	South Side School.	Chicago.	483 Bowen av.
Stewart, Charles Wesley,	S.B., 10, 10½.	Colgate University.	Hewickville.	578 E. 60th st.
Stiles, Bertha Vernon,	A.B., 13, 7½.	University of Wisconsin.	Kansas City, Mo.	B.
Tefft, Nellie Edna,	A.B., 14.	Elgin High School.	Elgin.	50 B.
Teller, Charlotte Rose,	Ph.B., 5.	Hyde Park High School.	Chicago.	4315 Berkeley av.
Thach, James Harmon,	A.B., 5.	Webb's School.	Bell Buckle, Tenn.	5724 Drexel av.
Thompson, Emily Churchill,	A.B., 15.	Lake High School.	Chicago.	4457 Emerald av.
Thompson, Helen Bradford,	Ph. B., 12.	Englewood High School.	Station City, O.	Station City, O.
Tooker, Robert Newton, Jr.,	A.B., 14.	University School.	Chicago.	29 Sn.
Trumbull, Donald Shurtleff,	A.B., 15.	Hyde Park High School.	Chicago.	4544 Oakenwald av.
Vaughan, Franklin Egbert,	A.B., 5.	Englewood High School.	Chicago.	517 Englewood av.
Vaughan, L. Brent,	Ph.B., 14½, 4.	Oberlin College.	Swanton, O.	20 G.
Wales, Henry Whitwell, Jr.,	Ph.B., 13, 3.	Hyde Park High School.	Lanark.	4308 Ellis av.
Walker, Clyde Buchan,	Ph.B., 4.	Colorado Springs High School.	Colorado Springs, Colo.	52 Sn.
Wallace, Sarah Emma,	S.B., 15, 5.	Englewood High School.	Englewood.	748, 71st st.
Walling, William English,	S.B., 16, 3.	Hyde Park High School.	Chicago.	4127 Drexel boul.
Waterbury, Ivan Calvin,	Ph.B., 3.	Hyde Park High School.	Chicago.	5475 Ridgewood ct.
Watson, George Balderston,	A.B.	South Division High School.	Chicago.	3103 Indiana av.
Werkmeister, Marie,	S.B., 2.	South Division High School.	Chicago.	3329 Vernon av.
Wescott, Frank Howard,	A.B., 13, 1.	Illinois State Normal Univ.	Lacon.	5700 Jackson av.
White, George Louis,	A.B., 10.	University of Omaha.	Lyons, Neb.	5509 Cottage Grove av.
Wilbur, Joseph Millard,	A.B.	South Side School.	Chicago.	5034 Washington av.
Wildman, Banks John,	A.B., 5.	Ohio Wesleyan University.	Chicago.	473 W. Adams st.
Wiley, Harry Dunlap,	S.B., 17, 2½.	Princeton High School.	Dunlap,	53 Sn.
Winston, Alice,	A.B., 12.	South Side School.	Chicago.	6051 Madison av.
Winston, Charles Sumner,	A.B., 13, 8½.	South Side School.	Chicago.	6051 Madison av.
Wolff, Louis, Jr.,	S.B., 13, 5½.	Chicago Academy.	Chicago.	1319 Washingt'n boul.
Woodruff, Harvey Trunkey,	A.B.	West Division High School.	Chicago.	456 Washington boul.
Woolley, Edwin Campbell,	A.B., 5.	Ohio Wesleyan University.	Chicago.	5535 Cornell av.
Woolley, Paul Gerhardt,	S.B., 12, 4½.	Ohio Wesleyan University.	Chicago.	5535 Cornell av.
Wright, Laura May,	A.B., 5.	Hyde Park High School.	Chicago.	32 Kl.
Yarzembaski, Vladyslas,	S.B., 10, 4.	N. W. Division High School.	Warsaw, Europe.	5435 Kimbark av.

TOTAL, 297.

THE UNCLASSIFIED STUDENTS.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Abell, Harry Delmont,	<i>Mt. Hermon (Northfield, Mass.)</i>	<i>Uxbridge, Mass.</i>	35 Sn.
Aber, Mary Alling,	<i>Owego (N. Y.) State Normal School.</i>	<i>Chicago.</i>	433, 57th st.
Aldrich, Grace D.,	<i>Illinois State Normal University.</i>	<i>Normal.</i>	5622 Ellis av.
Anderson, Esther Lowell,	<i>Adelphi Academy (N. Y.)</i>	<i>Chicago.</i>	5724 Drexel av.
Austrian, Celia,	<i>South Division High School.</i>	<i>Chicago.</i>	3129 Michigan av.
Austrian, Delia,	<i>South Division High School.</i>	<i>Chicago.</i>	3129 Michigan av.
Baird, William James,	<i>University of Colorado.</i>	<i>Cheyenne Wells, Colo.</i>	5632 Ingleside av.
Baltzly, Oliver D.,	<i>Wittenberg College</i>	<i>Ionia, Neb.</i>	5496 Ellis av.
Bardwell, Etta May,	<i>Northwestern Normal School.</i>	<i>Lorenzo.</i>	5722 Kimbark av.
Barlow, Levi Henry,	<i>Shurtleff College.</i>	<i>Delavan, Wis.</i>	5556 Drexel av.
Barnard, Alice Sarah,	<i>University of Illinois.</i>	<i>Chicago.</i>	Kl.
Bates, Fanny.	<i>Mrs. Outhbert's Ladies' Seminary.</i>	<i>Dardenne, Mo.</i>	538 E. 46th st.
Bean, Myra Irene,	<i>Lyndon Institute.</i>	<i>Lyndon Center, Vt.</i>	42 F.
Beardsley, Anna Poole,	<i>Fem. High School, Baltimore.</i>	<i>Washington, Ark.</i>	5620 Ellis av.
Bingham, Bertha Ella,	<i>Dana Hall, Wellesley, Mass.</i>	<i>Rocky Ford, Colo.</i>	F.
Bowers, Abraham,	<i>Mt. Morris College.</i>	<i>St. Joseph.</i>	5747 Lexington av.
Braam, Jacob William,	<i>Chicago Institute of Technology.</i>	<i>Chicago.</i>	82 D.
Brookings, Lyle Winters,	<i>South Side School.</i>	<i>Du Quoin.</i>	39 Sn.
Bull, Florence Louise,	<i>Racine Home School.</i>	<i>Racine, Wis.</i>	F.
Butterworth, Horace,	<i>Delaware College.</i>	<i>Chicago.</i>	537, 55th st.
Cairns, Mary Catharine,	<i>Cleveland High School.</i>	<i>Chicago.</i>	5215 Hibbard av.
Casteel, Mary Elizabeth,	<i>Genesee Collegiate Institute.</i>	<i>Genesee.</i>	6011 Ellis av.
Chamberlain, William Harvey,	<i>Illinois State Normal University.</i>	<i>Chicago.</i>	3532 Vernon av.
Chapin, Lillian,	<i>West Division High School.</i>	<i>Chicago.</i>	5418 Kimbark av.
Comstock, Louise Bates,	<i>Packer Institute, Brooklyn, N. Y.</i>	<i>Rochester, N. Y.</i>	221, 54th st.
Conrath, Mary Olive,	<i>Chautauqua University.</i>	<i>Lima, O.</i>	214, 53d st.
Crane, Frances,	<i>Chicago Women's Medical College.</i>	<i>Chicago.</i>	2541 Michigan av.
Crowdson, Charles Newman,	<i>Auburn College.</i>	<i>Auburn, Ky.</i>	32 G
Cröse, Walter Penn.	<i>Des Moines College.</i>	<i>Shenandoah, Ia.</i>	431 E. 55th st.
Darrow, Helen Kelchner,	<i>Private Instruction.</i>	<i>Chicago.</i>	6443 Grace st.
Davenport, Mary Daniels,	<i>Stouss Falls High School.</i>	<i>Council Bluffs, Ia.</i>	45 F.
Dorman, Gertrude S.	<i>Maringo High School.</i>	<i>Burlington, Ia.</i>	5700 Jackson av.
Drew, Charles Verner,	<i>Englewood High School.</i>	<i>Chicago.</i>	535, 67th st.
Faddis, Miriam Sarah,	<i>Wisconsin State Normal School.</i>	<i>Chicago.</i>	315, 40th st.
Fair, Newell Montague,	<i>Washburn College.</i>	<i>Mankato, Kans.</i>	64 Sn.
Ferguson, Idelette,	<i>Pennsylvania State Normal School.</i>	<i>Chicago.</i>	5409 Drexel av.
Fitzgerald, Ella Eugenia,	<i>Hardy School, Duluth.</i>	<i>Duluth, Minn.</i>	Kl.
Fulghum, Elma,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	367 Bowen av.
Furman, Albert,	<i>St. Mary's Seminary, Baltimore.</i>	<i>Chicago.</i>	1007 Whipple st.
Gibbs, Caroline Elizabeth,	<i>Aurora Academy, E. Aurora, N. Y.</i>	<i>Greeley, Colo.</i>	5614 Drexel av.
Glascöck, Hugh Grundy,	<i>Westminster Academy.</i>	<i>Paris, Mo.</i>	588 E. 60th st.
Goble, William Luther,	<i>Illinois State Normal University.</i>	<i>Westfield.</i>	5455 Monroe av.
Goodman, Grace,	<i>Chicago High School.</i>	<i>Chicago.</i>	3359 Indiana av.
Graham, Margaret,	<i>Manchester High School.</i>	<i>Strawberry Point, Ia.</i>	6048 Oglesby av.
Grant, Nellie,	<i>South Division High School.</i>	<i>Chicago.</i>	2900 Groveland av.
Gray, Charlotte Comstock,	<i>College of Liberal Arts, Chautauqua.</i>	<i>Albany, N. Y.</i>	16 B.
Greene, Elizabeth Elma,	<i>Vanderbilt University.</i>	<i>Battle Creek, Mich.</i>	4321 Berkeley av.
Grote, Harriet,	<i>Wheaton High School.</i>	<i>Wheaton.</i>	12 B
Hales, Earl Crayton,	<i>The South Side School.</i>	<i>Chicago.</i>	640 W. 61st st.

NAME.	SCHOOL OR INST'N.	HOME ADDRESS.	PRESENT ADDRESS.
Hall, James Samuel,	<i>Wake Forest College.</i>	<i>Norfolk, Va.</i>	24 Sn.
Hallingby, Ole, Jr.,	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	344, 55th st.
Hannan, Louise Mary,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	5134 Grand Boul.
Hardinge, Margaret Anne,	<i>Chicago High School.</i>	<i>Chicago.</i>	4213 Oakwood av.
Hill, Albert Ellsworth,	<i>Englewood High School.</i>	<i>Chicago.</i>	7100 Eggleston av.
Hill, Frederick William,	<i>Englewood High School.</i>	<i>Chicago.</i>	7100 Eggleston av.
Hubbard, Elizabeth Greenwood,	<i>Wellesley College.</i>	<i>Springfield, Mass.</i>	36 Kl.
Hubbard, Emma Frances,	<i>Winona State Normal.</i>	<i>Chicago.</i>	6128 Lexington av
Hurlburt, David Guy,	<i>New Lyme Institute.</i>	<i>Hart's Grove, O.</i>	588, 60th st.
Jeffreys, Elizabeth,	<i>Oberlin College.</i>	<i>Hubbard, O.</i>	5718 Kimbark av.
Johnston, Lucy Marian,	<i>Mrs. Loring's School.</i>	<i>Chicago.</i>	6 Wellington pl.
Jones, Myrtilla Colbert,	<i>Chicago High School.</i>	<i>Chicago.</i>	56 Woodlawn Park.
Jones, Richard Lloyd,	<i>University of Wisconsin.</i>	<i>Chicago.</i>	3939 Langley av.
Kellogg, Edna Patty,	<i>Kenwood Institute.</i>	<i>Chicago.</i>	5808 Monroe av.
Knott, Sarah Jane,	<i>College of Liberal Arts, Chautauqua.</i>	<i>New Brighton, Pa.</i>	389, 57th st.
Krackowizer, Alice Marie,	<i>Cook County Normal School.</i>	<i>New York City.</i>	6246 Madison av.
Kunz, Eda Flora,	<i>Erie High School.</i>	<i>Erie, Pa.</i>	Kl.
Leonard, William Ezekiel,	<i>Corcoran Scientific School.</i>	<i>Correctionville, Ia.</i>	5496 Ellis av.
Lynch, Catharine B.,	<i>Peoria High School.</i>	<i>Peoria.</i>	5601 Washington av.
Mason, Mary Elizabeth,	<i>Smith College.</i>	<i>Chicago.</i>	5854 Rosalie ct.
Matz, Evelyn,	<i>Chicago High School.</i>	<i>Chicago.</i>	B.
McBee, Rose,	<i>Homer High School.</i>	<i>Sidney.</i>	5722 Kimbark av.
McKeen, James Johnston,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	3721 Lake av.
Merker, Margaret,	<i>Glendale Female College.</i>	<i>Louisville, Ky.</i>	5700 Jackson av.
Mitchell, Florence Louise,	<i>Maine Wesleyan College.</i>	<i>Englewood.</i>	5729 Kimbark av.
Morey, Frances Amelia,	<i>Purdue University.</i>	<i>Chicago.</i>	5554 Monroe av.
Mulford, Herbert Burnett,	<i>Private Study.</i>	<i>Chicago.</i>	4324 Langley av.
Munson, Sarah,	<i>MacDonald Ellis School (D. C.)</i>	<i>Zanesville, O.</i>	The Colonies.
Palmer, Henry Augustus,	<i>Indianapolis High School.</i>	<i>Indianapolis, Ind.</i>	578, 60th st.
Parker, Mary,	<i>University of Indiana.</i>	<i>Louisville, Ky.</i>	B.
Payn, Nina,	<i>Traverse City High School.</i>	<i>Traverse City, Mich.</i>	46 F.
Perkins, Janet Russell,	<i>University of Wisconsin.</i>	<i>Chicago.</i>	3338 Calumet av.
Pierce, Florence Leona,	<i>Oreston High School.</i>	<i>Chicago.</i>	4225 Vincennes av.
Prior, Joseph,	<i>Armour Institute.</i>	<i>Chicago.</i>	5847 State st.
Ramsdell, Lillian Lovina,	<i>Farming Normal School.</i>	<i>Milo, Me.</i>	5496 Ellis av.
Reiff, Ellen,	<i>Keystone Normal School.</i>	<i>New Cumberland, Pa.</i>	440, 57th st.
Rew, Harriett Campbell,	<i>Hyde Park High School.</i>	<i>Chicago.</i>	4536 Lake av.
Rice, Elbridge Washburn,	<i>Pontiac High School.</i>	<i>Pontiac.</i>	6124 Wharton av.
Riggs, Wilfred,	<i>State Normal, Kirksville, Mo.</i>	<i>Unionville, Wis.</i>	5464 Ingleside av.
Riordan, Edward Joseph,	<i>Sault Ste. Marie High School.</i>	<i>Chicago.</i>	815 Noble st.
Roggy, Elizabeth,	<i>Miss Hutchinson's School.</i>	<i>Princeton.</i>	390, 59th st.
Rowan, Jean Morton,	<i>Michigan State Normal School.</i>	<i>Almont, Mich.</i>	5620 Ellis av.
Sawyer, George Hoyt,	<i>Cedar Valley Seminary.</i>	<i>Osage, Ia.</i>	43 Sn.
Scott, Walter Armitage,	<i>Armour Institute.</i>	<i>Chicago.</i>	914 Monroe st.
Shallies, Guy Wheeler,	<i>Buffalo Normal School.</i>	<i>Oberlin, O.</i>	35 Sn.
Shibley, Mary Capitola,	<i>Northwestern University.</i>	<i>Chicago.</i>	6128 Lexington av.
Smart, Anabel Shaw,		<i>Portland, Me.</i>	Hotel Barry.
Smith, Sarah Elizabeth,	<i>East Aurora High School.</i>	<i>Aurora.</i>	6047 Ellis av.
Stahl, Martha,	<i>Simpson College.</i>	<i>Diagonal, Ia.</i>	5724 Drexel av.
Stanton, Edna Augusta,	<i>Miss Kirkland's School.</i>	<i>Chicago.</i>	Kl.

NAME.	SCHOOL OR INST'R.	HOME ADDRESS.	PRESENT ADDRESS.
Steed, Susan Alexia,	<i>Wesleyan College.</i>	<i>Macon, Ga.</i>	32 Kl.
Steinwedell, William Ernest,	<i>University of Illinois,</i>	<i>Quincy.</i>	5712 Monroe av.
Stephens, Louise Brier,	<i>Bryn Mawr College.</i>	<i>Chicago.</i>	2713 Prairie av.
Stratton, Lucy Hamilton,	<i>Northwestern Preparatory School.</i>	<i>Pasadena, Cal.</i>	5717 Madison av.
Stuart, Mary Louise,	<i>South Division High School.</i>	<i>Chicago.</i>	309, 32d st.
Stuart, Mary Victoria,	<i>Oakland High School.</i>	<i>San Francisco, Cal.</i>	6127 Ellis av.
Stuckrath, Justus Henry,	<i>Iowa State Normal School.</i>	<i>Osage, Ia.</i>	5739 Kimbark av.
Sturges, Helen Spencer,	<i>Gannett Institute (Mass.).</i>	<i>Chicago.</i>	The Colonies.
Sturges, Lily Benton,	<i>Dearborn Seminary.</i>	<i>Chicago.</i>	2917 Prairie av.
Swann, Cynthia Caswell,	<i>Salem Academy.</i>	<i>Dandridge, Tenn.</i>	Rosalie ct.
Swett, Mary Chase,	<i>Cook County Normal School.</i>	<i>Chicago.</i>	5006 Washington av.
Tryon, Nettie Adell,	<i>High School, Saline, Michigan.</i>	<i>Dowagiac, Mich.</i>	5614 Drexel av.
Vesey, Rena Alice,	<i>Northwestern University.</i>	<i>Chicago.</i>	6228 Wabash av.
Watt, Clarence Herbert,	<i>Illinois State Normal University.</i>	<i>Chicago.</i>	304 E. 41st st.
Weston, Herbert Mantor,	<i>Chicago Academy.</i>	<i>Chicago.</i>	26 Sn.
White, Minnie G.,	<i>Tarkio College.</i>	<i>Cherokee, Ia.</i>	5558 Lexington av.
Wieland, Otto Ernst,	<i>Proseminary, Elmhurst.</i>	<i>Duluth, Minn.</i>	37 Sn.
Wilmarth, Anna Hawes,	<i>Miss Herrig's School.</i>	<i>Chicago.</i>	Auditorium Annex.
Wilson, William Otis,	<i>Western Normal College.</i>	<i>Bushnell.</i>	45 Sn.
Wilson, William Tilton,	<i>Northern Indiana Normal School.</i>	<i>Chicago.</i>	5733 Ingleside av.
Yeomans, Elizabeth,	<i>Clifton Ladies College, England.</i>	<i>Stretton Court,</i>	6 Kl.
		<i>Hereford, England.</i>	F.
Young, Gertrude Mary,	<i>Manor Mount Collegiate School, Forest Hill, London.</i>	<i>Omaha, Neb.</i>	
TOTAL, 121.			

SUMMARY.

THE GRADUATE SCHOOLS.

The Graduate School of Arts and Literature,	-	-	-	-	-	-	190
The Ogden (Graduate) School of Science,	-	-	-	-	-	-	81
The Non-resident Graduate Students,	-	-	-	-	-	-	23
							<u>294</u>

THE DIVINITY SCHOOL.

[illegible]

THE COLLEGES.

The University Colleges,	-	-	-	-	-	-	-	-	-	87
The Academic Colleges,	-	-	-	-	-	-	-	-	-	297
The Unclassified Students,	-	-	-	-	-	-	-	-	-	121
										505
										1006
Deduct names repeated	-	-	-	-	-	-	-	-	-	22
										984
TOTAL	-	-								

Obituary.

HARRY HOWARD.

Died March 7, 1895.

Harry Howard, a member of the Graduate Divinity School, was born near Dubuque, Iowa, September 5, 1869. He was fitted for college at the High School, Hartford, Conn., where he won, each year, the principal prizes. Friends enabled him to continue his studies in Trinity College, where he was valedictorian of his class, graduating in 1891. In college he devoted himself especially to the languages, making considerable progress in Sanskrit. His abilities and earnest Christian character won him many friends. On the opening of The University in 1892 he removed from Morgan Park to Chicago as a member of the Graduate Divinity School, devoting himself to the study of Semitics, in which he took a high rank. With a student's love for books, accurate in his scholarship, quiet in manner and attracting friends to him by force of character, Mr. Howard was fitting himself to take a high and useful position in his chosen field. His aim was to *be* rather than to *seem*, and his desire, as expressed during his last illness, was to be useful to the world rather than famous in the world. During the last two years, in addition to maintaining a high stand in his university work, he was mainly supporting himself and his widowed mother by private tutoring.

JAMES A. MORGAN.

Died April 18, 1895.

James A. Morgan was born in Washington county, Ind., in 1868. He was a graduate of Franklin College,

and was completing his second year in the Graduate Divinity School of The University. He was fitting himself for a missionary to Africa. Mr. Morgan was a quiet but positive and industrious man—and his work among the churches has been entirely successful. His early death is a distinct loss to the Divinity School, and to the cause to which he had wholly devoted himself.

HENRY COLBY STILWELL.

Died April 18, 1895.

Henry C. Stilwell, of Dayton, Ohio, a student in the Graduate Divinity School, pursued studies in Denison University, where he graduated in 1889. After a year in the Boston School of Technology, he entered a business career in Dayton. In the spring of 1894 he came to The University of Chicago to prepare himself for the Christian ministry. During the Autumn Quarter of 1895 he was a resident at the University Settlement, where his influence and labor were greatly appreciated. The nervous strain consequent upon the illness and death of a sister in January 1895 unfitted his ordinarily strong constitution for withstanding an attack of pneumonia, from which he died in Dayton, April 18, at the age of twenty-seven. Mr. Stilwell was a man of marked ability, calm, impartial judgment, and deep consecration. His upright character, happy disposition and honesty made him a most efficient Christian worker.

THE QUARTERLY REPORT FOR THE WINTER QUARTER, 1895.

CONCERNING THE SEVERAL DIVISIONS OF THE UNIVERSITY AS CONSTITUTED FEBRUARY 15, 1895.

THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

NOTE.—(1). GRADUATE ENROLLMENT. Each Graduate student who is a candidate for a degree is enrolled in one department for his main work and in one or more other departments for subordinate work.

(2). The number of courses reported for each instructor indicates the amount of his instruction in terms of Double Minors.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.							
	Primary.	Subordinate.	Instructors	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.	
I. Philosophy :			Tufts	2	4	DM	4	11	8		4	1	24		
			Angell	4	6 7 2a 2b 19 20 21 22	DM DM DM DM DM DM DM DM	4 4 4 4 4 4 4 4	11 11 8 4 3 6 2 9		12 17		1 9 5	2	11 9 46 36 7 2 4 10	44
			Mead	2	21 22	DM DM DM DM	4 4 4 4		1		1 1				
Total	14	15	3	8			32	56	43	29	21	3	152	132	
II. Political Economy :			Laughlin	2	9	DM	4	8	1				9		
			Miller	3	21 1A 2 20	DM DM DM DM	2 2 4 4	6 2 4 2		8 2 1	3		6 22 7 2	13	
			Closson	2	1B 3	DM DM	5 4	2 10	3	13	5 1		23 11	31	
			Veblen	1	10	DM	4	3	1				4	4	
Total	12	10	4	8			32	37	16	22	9		84	84	
III. Political Science			Judson	2	12 23	DM DM	4 4	12 7	3 7	1 1	1 1		17 15	32	
			Freund	2	32 51	DM DM	4 4	2 7	2 2	1 4		5	5 18	23	
			Conger	2	71 73	DM DM	4 5	1 5	2 1	5 1	2 1	5	10 3	23 13	
Total	9	15	3	6			24	30	17	12	10		68	68	
IV. History :			Von Holst	2	40 53	DM DM	4 4	30 12	6	2	2		40 13	53	
			Terry	2	50 28	DM DM	4 4	8 22		1			8 37	38	
			Goodspeed (see VIII-32)						2	4	2				
			Thatcher	1	1A	DM	5		2	29	4		35	35	
			Conger	2	1B 2A	DM DM	5 5			4 23	3 2		7 30	37	
			Catterall	2	2B 4	DM DM	5 4	1 3	1 6	36 15	8 4		46 28	74	
Total	29	15	6	9			40	77	21	114	25		237	237	
V. Archaeology			Tarbell	1	1	DM	4	10	4	1			15	15	
Total		1	1	1				10	4	1			15	15	

On leave of absence : * Dewey, Strong, Bulkley ; * Hill ; † Schwill, Wirth.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES AND STUDENTS.

DEPARTMENT.	Graduate Enrollment		INSTRUCTION.				REGISTRATION OF STUDENTS.							
	Primary	Subordinate.	Instructors.	Number of DM Courses.	Course Number	DM, DM.M, M or MM.	Hours per week.	Graduate School	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
VI. Sociology ³			Small	3	23	DM	4	12				1	13	31
			Henderson	3	27	DM	4	7	1				8	
					28	DM	4	8	1		1		10	
					14	DM	4	4					4	
					31	M	4	1					1	50
					32	M	4	2	1		1	3	7	
					33	M	4		3	4		12	19	
					16	M	4	1	3	5		10	19	
			Talbot	2	10	DM	4	1		4	1		1	4
					12	DM	4		2		1		1	
VII. Comparative Religion					5	DM	4				1		4	12
					3	DM	4	3			1		4	
					5	DM	4	3	1	2		1	8	
					37	DM	4		5	1		1	7	
VIII. Semitics ⁴					40	DM	4				1		2	106
					1									
					1									
					1									
Total		21	6	6	13			41	17	12	7	29	106	106
VII. Comparative Religion														
Total		2		1	1		4	2	1	2	1	4	10	10
VIII. Semitics ⁴			Harper, W. R.	2	47	DM	4	1	1		1	13	16	27
			Hirsch	1	91	DM	4	4			1	6	11	
			Goodspeed	1	69	DM	4					3	3	
			Price	2	32	DM	4	2	2		2	2	8	
					Spec.	DM	4 (2)		1			3	4	16
					40	DM	4					9	10	
					66	M	(4) 2		1			2	2	
			Harper, R. F.	2	75	DM	4	2				4	6	
					102	DM	4	2				2	3	9
			Crandall	1½	8	DM	2	1				3	4	
IX. Biblical and Patristic Greek					14	DM	2	1				4	5	
					Spec.	DM	2					10	10	
Totals		7	2	4	9		38	13	5		4	61	82	82
IX. Biblical and Patristic Greek														
X. Comparative Philology			Buck	2	2	M	4	6					6	16
					3	M	(4) 2	6					6	
					5	DM	(4) 2	1					1	
					Res.			3					3	
Total		3	5	1	2		8	16					16	16
XI. Greek ⁵			Shorey	2	18	DM	4	6	2	24	1		38	40
			Tarbell	2	25	DM	4	7					7	
			(See also V-1)		7	DM	4	4	1	4			9	
			Castle	2	3	DM	5		3	10	2		14	
					24	DM	4	11		1	1		13	27
			Owen	1	Spec.	DM	5	1	1	7	1		10	
Total		13	11	4	7		26	29	6	46	5		86	86
XII. Latin ⁶			Hale	2	9	DM	4	21	1	1	1		24	35
			Chandler	1	36	DM	4	11					11	
			Miller	2	13	DM	4	4	4	5	1		14	
					46	DM	5	1	2	24	3	1	31	
					66	DM	5	2		14	1		17	48
			Moore	2	42	DM	5			14			14	
					56	DM	5	1	2	19	3		25	
			Walker	2	5c	DM	5			17	1		18	
XII. Latin ⁶						DM	5	1		2	3	1	7	25
			Gordis	1	7	DM	5		2	2	1		6	
Total		19	16	6	9		40	42	11	98	14	2	167	167

On leave of absence: ³ Vincent, ⁴ Breasted; ⁵ Capps; ⁶ Abbott.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.						REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.	
XIII. Romance ⁷			Bergeron	4	2b 14a 5	DM DM DM	4 4 4	1 1 1	4 4 4	16 2 13	3 3 1		24 26 23	54	
			Howland	4	11 20 32	DM DM DM	4 5 4	2 2 1		1			1 3 1		
					2a	DM	4	1		14	6		26		
			de Poyen	4	21 1 14 17 Sem.	DM DM DM DM DM	4 4 4 4 1	1 3 3 2 2	5 1 1	9	7	1	15 3 3 2 2		
Total	6	5	3	12			46	15	16	55	23	1	113	113	
XIV. German ⁸			Cutting	3	1 28	DM DM	4 4	3		1	7		1 11	52	
			Schmidt-Wertenberg	3	34 6 16 18	DM DM DM DM	5 4 4 4	1 6 5 5	6	30 1	2 1	1	40 8 5 5		
			Mulfinger	3	29 30	DMM DM	10 5	1 1		10 23	8 7	1	20 33		
			Dahl	1	Lit.	DM	4	2	4	2	2	1	11		
Total	9	9	4	11			44	24	14	67	28	3	136	136	
XV. English ⁹			Moulton	1	67	DM	4	7	4	4	7		22	22	
			McClintock	2	17 42	DM DM	4 4	13					13 29		
			Blackburn	3	24 55 28	DM DM DM	4 4 2	13 2 3	1 2	27 3	2 2		18 9 3	30	
			Crow	2	47 36	DM DM	4 4	8 5	5 1	5 1	6 2		24 8		
			Tolman	2	10b 42B	DM DM	5 4	1 2	1 4	9 3	8 1		18 10	28	
			Herrick	2	8A 5	DM DM	4 4	4 3					4 17		
			Reynolds	2	10A 33	DM DM	5 5	1 5	3 6	35 11	4 6	1	40 23	66	
			Lewis	1	1	DM	5	1	24	11		1	37		
			Triggs	2	54B 68	DM DM	4 4	6 8	6 2	6 2	12 4		6 16	43	
			Brainard	2	52	DM	4	8	2	2	4		16		
			Lovett	1	66 1B	DM	4 2	2 2	1 2	1 97	2 15		5 114	114	
	Total	28	10	11	19			71	85	41	232	91	2	451	451
XVI. Biblical Lit. in English			Kent	1	18 12	M M	(4)=2 (4)=2				1 1		1 1	2	
			Mathews	1	B21	DM	4	1	2			20	23		
Total			2	2			8	1	2		2	20	25	25	
XVII. Mathematics			Bolza	2	12 25	DM DM	4 4	9 9		2			11 9	20	
			Maschke	2	24 10	DM DM	4 4	12 18					12 21		
			Young	2	9	DM	4	8			1		9	13	
			Boyd	2	20 1a	DM DM	4 5	4 4					4 25		
			Hancock	2	1b 4	DM DM	5 5	1 1	6	22 10	3 2		17 27	52	
			Smith	2d	1c	DM	5	1		12	4		10		
			Gillespie	1	2a	DM	5		1	6	2		16	45	
			Slaughter	1	2b	DM	5			13	4		16		
			Brown	1	2c	DM	5			22	3		25		
Total	25	5	9	15			63	76	7	124	27		214	214	

On leave of absence : ⁷ Knapp; ⁸ von Klense; ⁹ Wilkinson.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
XVIII. Astronomy			See Laves	2	36	DM	4	3	4	4			11	12
			Laves and See	2	37	DM	4	3					3	6
					38	DM	4	3					3	3
Total	1	6	2	4			16	13	4	4			21	21
XIX. Physics			Michelson	1½	2	DM	7	3					3	14
			Stratton		3b	½ DM	2	1	1	3			52	52
			Wadsworth	3	4	DM	4	2	2	6	1		7	20
					10	DM	4	2	3				8	8
			Stratton, Wadsw'th	1	6	DM	4	2	4				8	8
					3a	DM	4	2	4				8	8
Total	6	3	3	6½			29	23	8	52	10	1	94	94
XX. Chemistry ¹⁰			Nef	4	9	DM	4	13		1			14	
					18	DM	4	4		1			5	
			Smith	1	1	DMM	8	3					3	22
			Stieglitz	5	4	DM	4	3	9	23	4		40	40
					6	DM	4	5	1	2	3		8	
					8	½ DM	4	7	1	3	2		11	
					20	DMM	8	2					13	
			Lengfeld	4½	24	½ DM	4	7		1			2	42
					11	½ DM	4	6		1			8	
					13	DM	4	3					7	
					15	½ DM	4	8		1	3		12	
					20	DMM	8	1					1	
					22	½ DM	4	3					3	26
Total	20	5	4	13½			68	69	12	35	14		130	130
XXI. Geology ¹¹			Chamberlin	1½	23a	M DM	(4)2	5					5	
					23	DM	4	6					6	
			Salisbury	3	11	DM	4	4	5	3	1		13	17
					12	DM	4	1	5	15	1		22	
			Iddings	3	4	DM	4	3	2		1		3	38
					6	DMM	4	3			1		3	
			Penrose	2	14	DM	4	2					2	6
					15	DM	4	1					1	
			Quereau	2	18	DM	4	6					6	3
					19	DM	(4)2	5		18	1		2	
			Kümmel	1	1	DM	4	1	2		2		22	22
Total	10	6	6	12½			40	38	14	36	5		93	93
XXII. Zoölogy			Whitman	3	3	DMM	8	9					9	
					4	DM	4	9					9	
			Wheeler	1	10	DM	4	3		2	2		7	18
			Jordan	2	14	DM	4	1			1		1	7
					15	DM	4	3	2	13	5		25	25
			Watasé	1	7	DM	4	10		2	2		14	14
Total	15	6	4	7			28	35	2	17	10		64	64
XXIII. Anatomy and Histology			Eycleshymer	1	3	M	(4)2	3	2	1	4		10	
					2a	M	(4)2	4	2	2	2		10	20
Total	1	4	1	1			4	7	4	3	6		20	20
XXIV. Physiology			Loeb	4	1	DMM	8	1			1		2	
					2	DM	4	3			1		4	
			Lingle	2	4	DM	4	7			1		8	14
					6	DM	4				1		1	
					7	DM	4	5		5	1	1	12	13
Total	4	9	2	6			24	10		5	5	1	27	27
XXV. Neurology ¹²			Donaldson	1	3	M	(4)2	8					8	
					2	M	(4)2	6	1				7	15
Total	4	3	1	1			4	14	1				15	15

On leave of absence: ¹⁰ Curtiss, Ikuta; ¹¹ Holmes, Van Hise; ¹² Meyer.

THE QUARTERLY CALENDAR.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
XXVII. Botany			Coulter	2	2	DM	2	2			1		4	
			Clarke	1	1	DM	4	1	2		1		4	12
Total	5	2	2	3			12	7	2		3		12	12
XXVIII. Elocution			Clark	1	1	Reg. M	6	—	8	77	12	1	108	
					3		3		1	6	2	1	10	118
Total			1	1			9	—	9	93	14	2	118	118

2. THE FACULTY OF THE DIVINITY SCHOOL.*

LIST OF DEPARTMENTS, INSTRUCTORS COURSES, AND STUDENTS.

THE GRADUATE DIVINITY SCHOOL.

DEPARTMENT.	INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
XLI. Old Testament Literature and Interpretation	See Department VIII. = Semitics.											
XLII. New Testament Literature and Interpretation } = { Biblical and Patristic Greek	Burton	2½	1	DM	4		1	2			34	37
			31	M	(4) 2						8	8
	Mathews	2	33	DM	4		1				13	14
			12	DM	4						31	31
	Arnolt	2	27	DM	4						6	6
			8	DM	4						1	1
			44	DM	4						1	1
Total	3	6½			26	2	2				94	98
XLIII. Biblical Theology	See Courses 40 and 47 of Department VIII.											
XLIV. Systematic Theology	Northrup	2½	4	M	4						33	33
			8	DMM	4						10	10
Total	1	2½			8						43	43
XLV. Church History	Hulbert	2	33	DM	4						29	29
			45	M	4						2	2
	Johnson	2	1	DM	4						23	23
	Moncrief	2	11	DM	4				1		21	21
			10	DM	4	1					13	13
			16A	DM	4						22	22
Total	3	6			22	1			1	110	112	112
XLVI. Homiletics	Anderson	2	1	M	2				1		68	67
			3	DM	4						13	13
			4	M	2				1		25	26
Total	1	2			8				2	104	106	106

* For the report on the Departments of Old Testament Literature and Interpretation, see Department VIII. of the Schools of Arts, Literature and Science.

For the report on the English Theological Seminary, see above, Department XVI.

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

DEPARTMENT.	INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
L. Old and New Testament Literature	Gundersen	2	4	DM	4					4	4	4
			5	MM	4					12	12	12
			5	MM	4					12	12	12
Total	1	2			12					28	28	28
LII. Homiletics and Pastoral Theology	Broholm	1	1	MM	4					5	5	5
			2	MM	4					5	5	5
Total	1	1			8					10	10	10
LIII. Church History	Broholm	1	1	MM	4					11	11	11
			2	MM	4					11	11	11
Total	1	1			8					22	22	22

THE SWEDISH THEOLOGICAL SEMINARY.

LVI. Systematic Theology, Christian Ethics, and Pastoral Duties	Lagergren	2½	3	MM	8					14	14	14
			6	MM	4					6	6	6
			4	MM	4					9	9	9
			7	MM	4					6	6	6
Total	1	2½			20					35	35	35
LVII. Church History	Sandell	1	1	DM	4					18	18	18
Total	1	1			4					18	18	18
LVIII. Homiletics	Sandell	1	1	MM	4					12	12	12
			2	MM	4					12	12	12
Total	1	1			8					24	24	24

COMPARATIVE REGISTRATION OF WINTER QUARTER, 1895 AND SPRING QUARTER, 1895.

	COMPLETE REGISTRATION OF WINTER QUARTER.			WITHDRAWN AT CLOSE OF WINTER QUARTER.			ENTERING BY MATRICULATION OR PROMOTION. (Spring Quarter.)			REGISTRATION OF SPRING QUARTER.		
	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.	Men.	Women.	Total.
Graduate School.....	186	98	284	32	20	52	29	10	40	183	88	271
Non-resident Graduate Students.....	21	3	24	4		4	3		3	20	3	23
University Colleges.....	43	37	80	9	2	11	10	6	16	44	41	85
Academic Colleges.....	196	112	310	24	14	38	17	8	25	191	106	297
Unclassified Students.....	44	85	129	8	18	26	5	13	18	41	80	121
Graduate Divinity School.....	113	2	115	16	1	17	20		20	117	1	118
English Theological Seminary.....	80	5	85							25	2	27
Dano-Norwegian Theological Seminary.....	24	2	26	9	3	12	4		4	24	2	26
Swedish Theological Seminary.....	36		36							36		36

1004

Names repeated.....	26
Total.....	978
Registered too late for classification.....	6
Total Attendance, Spring Quarter, 1894.....	984
Registration for Winter Quarter, 1895.....	139
Registration for Spring Quarter, 1895.....	984

*ADDITIONAL REMARKS.**THE GRADUATE SCHOOL.*

Persons holding Fellowships—Autumn Quarter, 1894.....	78
Residents of Southern States.....	35
Residents of Eastern and Middle States.....	12
Residents of Western States.....	4
Foreign Countries.....	3

STUDENTS RESIDENT IN UNIVERSITY HOUSES.

Graduate School.....	47
Divinity School.....	87
University Colleges.....	20
Academic Colleges.....	73
Unclassified Students.....	26
Total.....	253

THE COLLEGES.

NUMBER OF STUDENTS CLASSIFIED ACCORDING TO CANDIDACY FOR UNIVERSITY DEGREES.

Candidacy for Degrees.	Bachelor of Arts.	Bachelor of Philosophy.	Bachelor of Science.
University Colleges.....	50	25	80
Academic Colleges.....	136	120	54
Totals.....	185	145	134

275 students presented themselves for the examination for admission held in March. Of these, 232 presented themselves at the University, 53 at the Morgan Park Academy, 45 at the Chicago Academy, 10 at the Harvard School, 6 at the Kenwood Institute, 3 at La Grange, Ill., 10 at Aurora, Ill., 8 at Warren, Ill. Of these, 16 were admitted to the Academic Colleges.

It is to be observed, however, that only a minority of those examined in any given quarter are taking final examinations. Applicants generally take their examinations at two or more dates. This will explain the apparent disproportion between the number examined and the number admitted.

THE UNCLASSIFIED STUDENTS.

Number of Academic College courses taken by Unclassified Students, 39; number of University College and Graduate courses, 74.

Course registrations of Unclassified Students in the Academic Colleges, 169; in the University Colleges, and the Graduate School, 144.

THE QUARTERLY REPORT.
FOR THE SPRING QUARTER, 1895.

CONCERNING THE SEVERAL DIVISIONS OF THE UNIVERSITY AS CONSTITUTED MAY 1, 1895.

THE FACULTY OF ARTS, LITERATURE AND SCIENCE.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

NOTE.—(1). GRADUATE ENROLLMENT. Each Graduate student who is a candidate for a degree is enrolled in one department for his main work and in one or more other departments for subordinate work.

(2). The number of courses reported for each instructor indicates the amount of his instruction in terms of Double Minors.

DEPARTMENT.	Graduate Enrollm't		INSTRUCTION.						REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM DM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.	
I. Philosophy :			Strong	2	24	DM	4	4					5	8	
			Tufts	2	25	DM	4	1				1	3		
					4A	DM	4	10	4				17		
					6	DM	4	9	1		2		10		
			Angell and Mc-Lennan	2	7	DM	4	6					6		
		Mead	3	19	DM	4	3	1				4	6		
				20	DM	4	2				1	2	2		
				11	DM	4	4	1					2	71	
				3	3	2DM	8	4	29	22	12	2	69		
Total	15	10	5	9			36	40	35	25	15	3	118	118	
II. Political Economy :			Laughlin	2	21	DM	2	5					5	18	
			Miller	3	4	DM	4	12					13		
					1	DM	2	2	2	1			7		
					2	DM	4	5	1	3			9		
			Closson	2	14	DM	4	7	5	2		1	14		
				8A	DM	4	1					1	3	30	
		Vebien	1	12	DM	4	3						3	4	
				16	DM	4	4	3	1				4	4	
Total	17	8	4	8			23	30	9	8	1		56	56	
III. Political Science :			Judson	2	13	DM	4	18	3			1	22	22	
			Freund	2	42	DM	4	2	2				4		
			Moaley	1	52	DM	4	5	2	3			12		
				1	1	DM	5	2	6	26	2		41	16	
Total	6	15	3	5			17	27	13	29	9	1	79	79	
IV. History :			Von Holst	2	41	DM	4	33	5	4			42	54	
			Terry	2	54	DM	4	11	1				13		
					51	DM	4	8					8		
					30	DM	4	24	3	2	1		30		
			Goodspeed (see D'p't of Semitics)	1	1A	DM	5						39		
			Thatcher	2	2A	DM	5		1	35	4		38		
			Catterall	2	5	DM	4	1	7	31	6		33		
					5	DM	4		20	5			71		
		Shepardson	2	6	DM	4	5	3	28	8		44	69		
				44	DM	4		2	16	7		25	22		
		Fertig	1	4	DM	4				21	1				
Total	31	12	7	10			42	82	22	157	32		229	293	
V. Archaeology			Tarbell	1	3	DM	4	9	2	1			12	12	
Total			1	1			4	9	2	1			12	12	

On leave of absence : *Dewey, Bulkley ; *Hill ; †Conger ; ‡Schwill, Wirth.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't		INSTRUCTION.				REGISTRATION OF STUDENTS.							
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
VI. Sociology ⁵			Small	2	28	DM	4	9				1	10	
			Small and Vincent	1	27	DM	4	7	2			2	11	21
			Talbot	3	25	DM	4	1	1			6	14	14
					10	DM	4	1					1	
					13	DM	4	1	2	1	3		7	
			Starr	2	39	DM	4		3	21	2		26	34
					2	DM	4	1					1	
		Bemis	2	6	DM	4	2	2	4	1		9	10	
				21	DM	4	3	4	1	1		9		
				20	DM	4		3	2			6	15	
		Vincent	1	36	DM	4	2	13	13	3	1	32	32	
Total	16	6	5	11			44	33	30	42	11	10	126	126
VII. Comparative Religion			Goodspeed	1	3	DM	4	2	1	1	2	3	9	9
			Buckley	1	5	DM	4	1		1	2	2	6	6
Total	2		2	2			8	3	1	2	4	5	15	15
VIII. Semitics ⁶			Harper, W. R.	2	102	DM	2	1					1	
					48	DM	4	1	1			19	21	22
			Harper & Crandall	2	4	MM	2	1				28	27	
			Hirsch	2	59	MM	4		1			20	20	47
					90	DM	4		1				1	
			Goodspeed	1	33	DM	4	3				4	7	8
			Price	1	25	DM	4	3	1	1		1	6	6
				46	DM	4		2			2	5		
		Harper, R. F.		56	DM	4	1				1	4	5	10
		Breasted.	1½	54	M	2	1	1			2	3	4	4
Total	4	1	6	10			40	11	6	1	2	81	101	101
X. Comparative Philology			Buck	2	6	M	4	3					3	
					12	M	4	3					3	
					10	DM	4	1					1	7
Total	3		1	2			av. 8	7					7	7
XI. Greek ⁷			Shorey	2	21	DM	4	17	7	2			26	31
					25	DM	4	5					5	15
			Tarbell	1	10	DM	4	8	2	5			15	
			Owen	2	4	DM	4	1	1	14		1	17	
				17	DM	4	1		27			28	45	
Total	15	16	3	5			20	32	10	48	1		91	91
XII. Latin ⁸			Hale	2	12	DM	4	24	6	3	1		34	
					36	DM	4	10					10	44
			Chandler	2	18	DM	4	3	3	1			7	
					8	DM	4	1	2	5	1		9	16
			Miller	2	24	DM	4	12		2			14	
					5d	DM	4			2			27	41
			Moore	3	4e	DM	5	1		23	2	2	3	
				5e	DM	5			22	3	1	26		
				5e	DM	5			17	1		18	62	
		Walker	2	6d	DM	5			17	1		18		
				3	DM	5		1	19	3		22		
Total	19	13	5	11			48	51	14	114	13	1	198	193

On leave of absence: ⁵Henderson; ⁶Kent; ⁷Castle; Cappe; ⁸Abbott.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
XIII. Romance ⁹			Bergeron	5	40	DM	4	1	1	7	3		12	
					6	DM	4				2		10	
					12	DM	4	1			1		1	
					3	DM	4	1	1	19	5		28	
			de Poyen	3	15	DM	4	5		22	3		28	75
					33	DM	4	3					5	
					2	DM	4	2		18	6		26	34
Total	5	4	2	8			32	13	3	73	20		109	109
XIV. German ¹⁰			Schmidt-Wartenberg	3	15	DM	4	7				1	7	
			von Klense	3	29	DMM	10	3	1	11	6		22	29
					4	DM	4	2		1	1		4	
					23	DM	4	1		5	6		12	
			Dahl	2	33	DM	4		7	23	4		34	50
					21a	DM	4		2	3			5	
			Wood	1	21	DM	5			1			1	6
Total	5	9	4	9			40	14	10	64	24	2	114	114
XV. English ¹¹			Moulton	1	62	DM	4	14	13	19	16	4	66	66
			Blackburn	2½	25	DM	4	7			2		9	
					56	DM	4	7	1				8	
					Sem. M	M	2	3					3	20
			Crow	2	40	DM	4	3	3	8	2		16	
					36	DM	4	5	1				6	22
			Tolman	2	10a	DM	5		1	20	9	2	32	
					45	DM	4	9		5	2		16	48
			Herrick	1	5	DM	4	7	4	1	5	1	18	18
			Lovett and Lewis	1	2	DM	5	1	2	22	6		31	31
			Triggs	1	1a	DM	5			18	10	2	30	30
				2	22	DM	4	11	6	3	20		40	
					45	DM	4	11	9	1	8		29	69
			Carpenter	1	69	DM	4	3	1	3	7		14	14
Total	27	8	9	13½			57	81	41	100	87	9	318	318
XVI. Biblical Literature in English ¹²			Price	1	37b	DM	4		1		1	27	29	29
Total			1	1			4		1		1	27	29	29
XVII. Mathematics			Moore	2	28	DM	4	1					1	7
					29	DM	4	6					6	
			Maschke	2	13	DM	4	21	3	1	1		26	
					17	DM	4	10					10	36
			Young	2	9	DM	4	6					6	
					5	DM	4	1	3	1	1		6	12
			Boyd	2	11	DM	4	10	1		1		12	
					4	DM	5	4		8	2		18	30
			Hancock	2½	23A	½DM	2	7					7	
					2A	DM	5			16	3		19	
					2b	DM	5			14	3		17	43
			Rothrock	1	2c	DM	5			9	5		14	14
Total	22	9	6	11½			50	66	11	49	16		142	142

On leave of absence: ⁹ Knapp, Howland; ¹⁰ Cutting; ¹¹ Wilkinson, McClintock, Reynolds; ¹² Votaw.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity.	Total in each course.	Total in all courses.
XVIII. Astronomy			See See and Laves	1 1	41 44	DM	4	1 2	5	2			3 2	3 2
Total	1	2	2	2			4	3	5	2			10	10
XIX. Physics			Michelson	4½	1 2 3 3	DMM DMM DMM DMM	8 8 8 8	3 1 3 3		1 3			3 1 6 9	10
			Stratton	2½	3 4 5	DM DM DM	4 4 4	4 3 1	2 2 2	37 2	6		52 7 1	68
			Wadsworth	3	12 10 6	DM DM DM	4 4 4	1 1 1	5 2 5	1 29	3		4 37	42
Total	7	3	3	13			40	17	21	73	9		120	120
XX. Chemistry ¹³			Nef	4	9 18 20	M M MM	4 4 8	10 2 3		1 1			11 3 3	17
			Smith	1	1	DM	4	2	11	18	4		35	35
			Stieglitz	2½	4 6 20	MM MM MM	8 8 8	1 4 2	1 2	4 1	3 1		9 8 2	19
			Lengfeld	5½	4 13 15 6 28	MM DM DM DM DM	8 4 2 2 4	8 3 6 4 7		1 1 1 1 1	2 1 1 3		4 9 8 12 5	36
			Curtiss	1	28	DM	4	2	1	1			5	5
Total	17	3	5	14			66	48	17	30	17		112	112
XXI. Geology ¹⁴			Chamberlin	1½	26 16	DM M	4 4	1 2					1 3	4
			Holmes	¾	22 22a	DM DM	4 4	4 2	1	4	1		9 5	14
			Iddings	2	6	DM	8	3	1	2			3	3
			Quereau	2	18 19	DM DM	4 4	2 1			1		3 1	3 1
Total	3	8	4	6			32	15	2	6	2		25	25
XXII. Zoölogy			Whitman	3	5	DMM	8	11					11	11
			Wheeler	2	11	DMM	8	8		1	2		12	12
			Jordan	2	16 17	MM M	8 4	3 5	1	1 2			4 8	12
			Wyld	1	20	DM	3	6		3	2		11	11
Total	18	6	4	8			31	33	1	7	5		46	46
XXIII. Anatomy and Histology.			Eycleshymer	2	2b 3a 5	M M DM	6 6 6	1 2	2 2	5 4 1	2 1		10 7 5	22
Total	1	3	1	2			18	3	4	11	4		22	22
XXIV. Physiology ¹⁵			Lingle	1	11	DM	9	6	1	3	2		12	12
Total	2	4	1	1			9	6	1	3	2		12	12
XXV. Neurology			Donaldson	1	4	DM	4	8	2	1	3		14	14
			Meyer	¾	7	DM	2	3		2			5	5
Total	3	4	2	1½			6	11	2	3	3		19	19
XXVI. Palæontology			Baur	2	2 7	DM M	3 4	1 3					1 3	4
Total		5	1	2			6	4						

On leave of absence: ¹³Ikuta; ¹⁴Salisbury, Van Hise, Penrose; ¹⁵ Loeb.

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.

DEPARTMENT.	Graduate Enrollm't.		INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Primary.	Subordinate.	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M, or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
XXVII. Botany			Coulter	2	3	DM	2	3		3	3		12	18
			Clarke	1	9	DM	4	2	4	5	2		30	30
Total			2	3			14	10	4	10	14		48	48
XXVIII. Elocution			Clark	1	1	Reg. M	(1) 6 (3) 4	1	4	36	3	9	90	90
					5			—	4	2	1	2	16	115
Total			1	1			9	1	8	96	4	11	115	115

2. THE FACULTY OF THE DIVINITY SCHOOL.*

LIST OF DEPARTMENTS, INSTRUCTORS, COURSES, AND STUDENTS.
THE GRADUATE DIVINITY SCHOOL.

DEPARTMENT.	INSTRUCTORS.					REGISTRATION OF STUDENTS.						
	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M, or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
XLII. New Testament Literature and Interpretation	Burton Mathews	1	18	DM	4					3	3	3
		2	33	DM	4	1				16	17	17
	Arnolt Votaw	1	21	DM	4					18	18	35
		1	4	DM	4			2		4	4	4
Total	4	5			20	3		2		48	53	53
XLIII. Biblical Theology	Burton Price	1	B1	DM	4	2				4	6	6
		1	A36	DM	4					4	4	4
Total	2	2			8	2				8	10	10
XLIV. Systematic Theology.	Northrup Foster	2	8b	DMM	4					5	5	5
		1	1	DM	4					30	30	30
Total	2	3			8					35	35	35
XLV. Church History.	Hulbert	2	3	M	(4) 2					16	16	16
	Johnson	1	34	M	(4) 2					25	25	41
	Moncrief	2	13	DM	4				1	18	19	19
			9	DM	4	1				9	10	10
			15	DM	4					14	14	24
Total	3	5			16	1			1	83	84	84
XLVI. Homiletics.	Anderson	2	4a	DM	4					30	30	30
	Johnson	1	6	DM	4					14	14	44
		1	7	M	2					28	28	28
Total	2	2½			10					72	72	72

* For the report on the Department of Old Testament Literature and Interpretation, see Department VIII. of the Schools of Arts, Literature, and Science.

For the report on the English Theological Seminary, see above, Department XVI.

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

DEPARTMENT.	INSTRUCTION.					REGISTRATION OF STUDENTS.						
	Instructors.	Number of DM courses.	Course Number.	DM, DMM, M, or MM.	Hours per week.	Graduate School.	University Colleges.	Academic Colleges.	Unclassified.	Divinity School.	Total in each course.	Total in all courses.
L. Old and New Testament Literature	Gundersen	1	28	MM	4					5	5	5
Total	1	1			4					12	12	12
LI. Systematic Theology	Broholm	$\frac{1}{2}$	6	M	4					5	5	5
Total	1	$\frac{1}{2}$			4					5	5	5
LIII. Church History	Broholm	$\frac{1}{2}$	3	M	4					11	11	11
Total	1	$\frac{1}{2}$			4					11	11	11

THE SWEDISH THEOLOGICAL SEMINARY.

LV. Old and New Testament Literature	Morten	$\frac{1}{2}$	4	M	4					17	17	17
Total	1	$\frac{1}{2}$			4					17	17	17
LVI. Systematic Theology and Pastoral Duties	Lagergren	1	38	MM	4					8	8	8
Total	1	1			4					17	17	17
LVII. Church History	Sandell	$\frac{1}{2}$	1	M	4					18	18	18
Total	1	$\frac{1}{2}$			4					18	18	18

Physical Culture and Athletics.

THE GYMNASIUM.

MEN'S DEPARTMENT.

Five classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Graduate and Divinity Schools, 10; University and Academic Colleges, 124; Unclassified, 2; number practicing baseball, basket ball, and track athletics, 78.

Number of men measured and examined, 7.

WOMEN'S DEPARTMENT.

Four classes have met for half-hour periods on Tuesday, Wednesday, Thursday, and Friday of each week.

RECORD OF ATTENDANCE.

Divinity School, 2; Graduate 7; University Colleges 40; Academic Colleges, 110; unclassified, 23.

ATHLETICS.

BASKET BALL.

The University team was composed of the following members: W. A. Wilkin, H. R. Jordan (Captain), C. E. Fish, E. W. Peabody, A. T. Pienkowski, E. B. Van Osdel, W. C. Mitchell, H. D. Hubbard, H. B. Campbell, A. T. Burns, I. S. Rothschild. The record of games played is as follows:

Jan. 12.	University vs. Englewood Y. M. C. A.	6-5
Jan. 19.	University vs. German Y. M. C. A.	3-1
Feb. 2.	University vs. Hull House	8-8
Feb. 9.	University vs. Ravenswood Y. M. C. A.	6-2
Feb. 16.	University vs. West Side Y. M. C. A.	4-8
Feb. 23.	University vs. Central Y. M. C. A.	5-8
Mar. 9.	University vs. Englewood Y. M. C. A.	5-6
Mar. 16.	University vs. German Y. M. C. A.	5-8
Mar. 23.	University vs. Hull House	6-4
Mar. 30.	University vs. Ravenswood Y. M. C. A.	11-8

TRACK ATHLETICS.

An indoor meet was held in the Gymnasium on March 9. This was the first of a series of five contests in competition for prizes of silver cups. The events and winners were:

Thirty-five Yard Dash.—Won by Coy. Time, 4 1-5.
One Mile Run.—Won by Peabody. Time, 5 min. 28 sec.
One-half Mile Run.—Won by White. Time, 2 min. 24 sec.
Potato Race.—Won by Fish. Time, 53 2-5 sec.
High Jump.—Won by Herschberger. Height, 5 ft. 2 1-4 in.
Pole Vault.—Won by Herschberger. Height, 9 ft. 4 in.
Shot Put.—Won by Garrey. Distance, 30 ft. 10 in.

On March 16 an Invitation meet was held in the gymnasium, to which Lake Forest and Northwestern Universities sent teams. Indoor records for the University were made by Peabody in the mile run, time 5 min. 5 sec.; by Fish in the potato race, time 48 sec.; by Steigmeyer in the running high jump, height 5 ft. 5 in.; by Mandel in the running broad jump, distance 19 ft. 11 in. Six men contested in the relay race, each man running three laps. Chicago won by half a lap.

The first gymnastic contest ever held in the University took place during the progress of the games. H. W. Stone won the honor of "University Gymnast," together with the prize of a maroon sweater with a "C" on it. Out of a possible 240 points Stone made 180; Thach, 176½; Whitehead, 165; McGee, 131½; Gwinn, 126½.

The Official and Semi-Official Organizations.

THE UNIVERSITY CLUBS.

THE PHILOLOGICAL SOCIETY.

WINTER MEETINGS, JANUARY 18 AND MARCH 1, 1895.

PAPERS:

The Decadence of the Minnesong.

ASSOCIATE PROFESSOR S. W. CUTTING.

The Expressive Power of English Sounds.

ASSISTANT PROFESSOR ALBERT H. TOLMAN. Jan. 18.

Rousselot's Phonetical Apparatus.

ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG.

March 1.

THE DEPARTMENTAL CLUBS.

JANUARY-MARCH, 1895.

Papers presented before

THE BIOLOGICAL CLUB.

Evolution and Epigenesis.

HEAD PROFESSOR WHITMAN. Jan. 9.

Diphtheria and the Anti-toxine Treatment.

ASSISTANT PROFESSOR JORDAN. Jan. 22.

The Disease-Resisting Power of the Human Body.

DR. CHAS. T. MCCLINTOCK, Univ. of Mich. Feb. 20.

The Sexual Phases of Myzostoma and Hermaphroditism in general.

ASSISTANT PROFESSOR WHEELER. March 20.

On Hexa-oxy-benzol.

DR. NEF. Feb. 8.

Journal Meeting.

On the Influence of Water on Chemical Action.

MISS GOLDTHWAITE.

On Thionylamine.

DR. LENGFELD. Feb. 15.

Journal Meeting.

Argon—A New Constituent of the Atmosphere.

DR. SMITH.

On the Trimethylen Ring.

DR. CURTISS. March 1.

Journal Meeting.

On the Imidosulphonates.

MISS JEFFREYS.

On Phenolphthalein and Fluorescein.

DR. STIEGLITZ. March 8.

Journal Meeting.

On the Polymerization of Nitriles.

MR. BUSHONG.

The Action of Nitric Acid on Ketones and Aldehydes.

MR. JONES. March 15.

THE CHEMICAL CLUB.

Journal Meeting.

On Strychnine.

MR. DAINS.

On Trimethylcarbin Cardinal.

MR. RICHARDS. Jan. 18.

Journal Meeting.

The Condensation of Aldehydes with Cyanides.

MR. HESSE.

The Action of Sodium on Ketones and Aldehydes.

MR. SWARTZ. Feb. 1.

Journal Meeting.

On Germanium.

MISS STONE.

THE COMPARATIVE-RELIGION CLUB.

Recent Views on the Parliament of Religions and The Barrows Lectureship for India.

PROFESSOR G. S. GOODSPEED. Jan. 24.

Journal Meeting.

Reviews: By MR. T. J. COFFIN, of Max Müller's "The Vedanta Philosophy."

By MR. WILLIAM OESCHGER, of Saussure's "Animism and Teutonic Mythology." Feb. 21.

Later Jewish Theology.

PROFESSOR E. G. HIRSCH. March 21.

THE ENGLISH CLUB.

An Elizabethan Unique.

ASSISTANT PROFESSOR M. F. CROW.

Studies in the English Curricula of American Colleges.

ASSOCIATE PROFESSOR W. D. MCCLINTOCK.

ASSISTANT PROFESSOR F. A. BLACKBURN.

Imagination as a Term in the History of English Criticism.

MR. J. W. BRAY.

Browning's "Paracelsus."

MISS MARY E. LOVE.

A Middle English Simile, "hair lyke golde wyere."

MR. O. L. TRIGGS.

THE GERMANIC CLUB.

Joyes-Meissner's German Grammar, Lesson V.

PAUL O. KERN.

Zeitschrift für deutsches Alterthum, 1894, Heft 1, 2.

JESSIE L. JONES. Jan. 7.

The Inflection of Nouns in Reinaert I.

JESSIE L. JONES.

Der Geschlechtswechsel der Substantiva im Deutschen.

ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG.

Jan. 21.

The Apparent Absence of Umlaut in Old English.

F. A. WOOD.

Emerson's Dependence upon Novalis.

MISS HELEN THOMPSON. Feb. 4.

The Vatican Old Saxon Fragments. I.

ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG. Feb. 18.

The Vatican Old Saxon Fragments. II.

ASSISTANT PROFESSOR H. SCHMIDT-WARTENBERG.

Kock's Articles on i-umlaut in Germanic, Paul und Braune's Beiträge XV., XVIII.

JESSIE L. JONES. March 4.

THE MATHEMATICAL CLUB.

On Inversion.

Metric and harmonic definitions with respect to a circle or conic. Inversion with respect to a triangle, and the general quadric correspondence.

ALICE B. GOULD. Jan. 12.

On Metharmonic Points.

ASSISTANT PROFESSOR MASCHKE. Jan. 26.

On Weierstrass's Paper on Minimal Surfaces.

DR. JAMES H. BOYD. Feb. 9.

On the Conception of Uniform Convergency.

Uniform convergence of series and its connection with continuity and integration by terms. Uniform convergence in general, Lüroth's theorem on uniform continuity, uniform differentiability, application to definite integrals containing a parameter.

PROFESSOR OSKAR BOLZA. Feb. 21.

On Cayley's Geometrical Representation of Substitution.

A geometrical representation of the regular groups of order n , where n has values from 2 to 8 inclusive and also 12 and 24. (Cayley, *American Journal of Mathematics*, Vol. II.)

WILLIAM GILLESPIE.

On Hoelder's Theorem of the Constancy of Factor Groups.

Note on Hoelder's Theorem that the Factor groups are the same for the different series of composition of a group. A simplified proof of the proposition given by Hoelder, *Math. Ann.*, B. 34, p. 24, that if A and B are maximal self-conjugate sub-groups of G , having C as their greatest common sub-group, then the quotient groups G/A and B/C , likewise G/B and A/C are *holodrically isomorphic*.

GEORGE L. BROWN. March 9.

THE NEW TESTAMENT CLUB.

Barnabas.

- Life and Authenticity:* A. T. WATSON.
Text: DR. W. M.-ARNOLT.
Canon: ASSOCIATE PROFESSOR MATHEWS.
Theology: H. F. MILLIGAN. Jan. 26.

Hermas.

- Authenticity and Sources:* C. W. VOTAW.
Text: DR. W. M.-ARNOLT.
Quotations from Hermas:
 C. W. WOODRUFF. Feb. 26.

The Fragments of Papias.

C. W. VOTAW.

The Epistle to Diognetus.

ASSOCIATE PROFESSOR S. MATHEWS. April 2.

The club has held journal meetings regularly every four weeks during the quarter.

THE POLITICAL ECONOMY CLUB.

The Obstacles to Harmonious Commercial Management of Railroads.

GEORGE R. BLANCHARD. Jan. 9.

Metallurgy of Iron.

FRANKLIN B. HEAD. Jan. 31.

Methods of Doing Business on the Board of Trade.

W. T. BAKER. Feb. 21.

Railroad Oppression.

E. P. RIPLEY. March 14.

THE CLUB OF POLITICAL SCIENCE AND HISTORY.

Turkish Policy in Armenia.

N. IKUYAN, of Armenia. Jan. 9.

Federal Intervention.

ARTHUR W. WINDETT. Jan. 30.

The New Charter for Chicago.

ASSOCIATE PROFESSOR E. W. BEMIS. Feb. 20.

An Unfamiliar American Society.

DR. F. W. SHEPARDSON. Feb. 27.

The United States and Maximilian's Mexican Throne.

W. S. DAVIS. March 13.

THE ROMANCE CLUB.

Satire on Women in Old French.

THEO. L. NEFF. Jan. 15.

The Legend of Hugh of Lincoln in Anglo-Norman Poetry.

ESTHER WITKOWSKY. Jan. 22.

Satire on Women in Old French (continued).

THEO. L. NEFF. Feb. 19.

Informal Talk on the Connection between Anglo-Norman and English Literature.

DR. RENÉ DE POYEN-BELLISLE. March 5.

THE SEMITIC CLUB.

The Influence of the Philistines on the Political, Social, and Moral Life of the Hebrews.

L. A. JONES. Jan. 10.

The Influence of the Arabs on the Political, Social, and Moral Life of the Hebrews.

DEAN A. WALKER. Feb. 21.

THE SOCIOLOGY CLUB.

Journal Meeting.

Jan. 8.

The Use of Statistics in Social Work.

MRS. FLORENCE KELLEY. Jan. 22.

Journal Meeting.

Feb. 6.

Sociology in the Common Schools.

COL. F. W. PARKER. Feb. 26.

Journal Meeting.

March 5.

The Single Taxers.

OLIVER R. TROWBRIDGE. March 19.

THE UNIVERSITY EXTENSION CLUB.

Germany's Heritage of Heroic Song.

F. W. MORTON. Oct. 13.

<i>Robert of Sicily.</i>	MR. S. H. CLARK.	Nov. 10.	<i>The Use of Illustrations in Connection with University Extension Lectures.</i>	
<i>Musical Form.</i>	MR. WARDNER WILLIAMS.	Dec. 8.	A. H. COLE.	
			DR. T. J. J. SEE.	
<i>Criticisms of the University Extension System from the Standpoint of the Local Centre.</i>	REV. W. E. McLENNAN.	Jan. 12.	ASSISTANT PROFESSOR H. B. GROSE.	Feb. 9.
			<i>Reading in Connection with University Extension Lectures.</i>	
			PROFESSOR R. G. MOULTON.	March 2.

ABSTRACT OF PAPERS

Read before the Philological Society and the Departmental Clubs.

A STUDY IN THE DECLINE OF GERMAN MINNESONG.

STARR W. CUTTING.

In an article entitled, "Die Pastourellen in der nord- und südfranzösischen Poesie," published in the *Jahrbuch für roman. und engl. Litteratur*, Bd. 9, pp. 187-8, Dr. Julius Brakelmann notices at some length a resemblance between the *Pastourelle* of the Trouvères and the poems of Neidhart von Reuenthal. The significance of this poet, as representative of a popularizing tendency in Minnesong, and as a singer of dance songs celebrating *nidere minne* and portraying the indoor and outdoor life of the common people, renders extremely interesting the question of foreign influence upon this man.

Wackernagel says on p. 182 of his *Altfranzösische Lieder und Leiche* that Neidhart's whole contribution to the development of German Minnesong was an imitation of the Old French *Pastourelle*. In the second edition of his *History of German Literature*, Basel, 1879, p. 317, he gives the following modification of this view: "The first suggestion of the new product, and still more surely its recommendation in the circle of the court, may have been furnished by the French *Pastourelle*." In support of this view he quotes the use of the word *pasturelle* in a poem by a supposed imitator of Neidhart, Gottfried von Neifen.

Tischer's dissertation *Ueber Nithart von Riuenthal*, Leipzig, 1872, includes a minute comparison of Neidhart with the *Pastourelle*, and finds the points of dissimilarity too numerous to admit the assumption of direct borrowing on the part of the German poet. He admits the bare possibility that the *Pastourelle* suggested to Neidhart his songs. In a dissertation entitled *Die Reihenfolge der Lieder Neidharts von Reuenthal*, Berlin, 1883, Richard M. Meyer says (p. 148) that he agrees substantially with Tischer, but adds: *einige Gedichte scheinen diesen (den Einfluss der Pastourellen) doch zu verrathen, aber nur wenige und keineswegs die ältesten*. He specifies numbers 46, 28-48, 1, and 58, 25 (ed. Haupt) as manifestly based upon the *Pastourelle*.

To render improbable this view we mention and compare with the German *Volklied* the following salient features of the *Pastourelle*:

1) The *Pastourelle* frequently begins with the poet's riding forth on a certain occasion (Tischer, Diss., p. 42). 2) The knight or poet-lover often appears personally in the *Pastourelle* in conversation with some country girl. 3) Like other kinds of Romance poetry the *Pastourelle* not infrequently shows but a single rhyme in each strophe. 4) The *Pastourelle* usually, though not invariably, employs at the end of each strophe the Refrain. Now, *riding forth* is characteristic of the later German *Volklied*, as preserved in MSS. of the fifteenth and sixteenth centuries. (Cf. Uhland 24, 154A, 22A, 150; Böhme 138, 429, 189, 412, 188.)

We only need to bear in mind the unlettered character of most of those who sang popular songs during the twelfth and thirteenth centuries in face of the general vogue of court Minnepoetry to find natural the extreme scantiness of manuscript material in this field. Not before the fourteenth, fifteenth, and sixteenth centuries are these *Volklieder* committed to writing in other than exceptional cases. Hence it is fair to assume that large numbers of the songs appearing in these later MSS. are essentially identical with material that was the oral

possession of the twelfth and thirteenth centuries. The well-known jealous care of a people for the exact form of oral tradition, in the absence of literary monuments, renders very gradual whatever changes may creep in. Salient features abide.

Riding forth on the part of poet or knight seems to me, therefore, a characteristic common to the *Pastourelle* and to the earlier *Volklied*.

Turning again to German Folksong, we find the poet-lover in conversation with some country girl (cf. Uhland, 24—Böhme, 205), as frequently in the *Pastourelle*. I cannot, therefore, regard this as a peculiarly Romance motif.

The single rhyme in each strophe of the poem is no more characteristic of the *Pastourelle* than of several other forms of Romance poetry. The earliest German Minnesingers of importance, as Heinrich von Veldeke and Friedrich von Hausen, adopted it with other Romance elements so that it became from the first common property of Court Minnepoetry. Its appearance in the work of a late writer cannot, therefore, be logically traced to the influence of the *Pastourelle*.

Finally, as to the Refrain Sievers says (Pauls Grundriss II., 1, p. 976): "Whether the Refrain was in use in old Teutonic poetry is not known. We cannot prove it. This, however, means little, as our knowledge in this field is based upon such imperfect evidence." He is inclined to regard the Refrain in German poetry as the result of the Latin influence of the church service and of contact with Provençal poetry. He admits, however, that the Refrain is not at all rare in later German Folksongs. This admission is significant in view of our argument concerning the twelfth and thirteenth century character of the salient features of the later *Volklied*.

The absence of the Refrain in the early Minnesingers seems adequately explained by the purpose of their singing. It was not intended for the dance, but rather as a series of serenades. Its distinctly personal character made no appeal to community interest, and did not solicit that community sympathy implied by the Refrain. When the idea of Court Minnepoetry began to fade, and the drift of attention was once more in the direction of the people, the later Minnesingers needed but to resume what had long been the property of the minstrels, and the Refrain reappeared with other indigenous popular elements. Therefore no argument for *Pastourelle* influence can be based upon the Refrain in a late Minnesinger. Neidhart employs the Refrain but once (3, 1), in a poem not included in the trio mentioned by Meyer.

The regularity of composition and precision of statement that lead Meyer to ascribe to *Pastourelle* influence and to assign to the time of Neidhart's crusade 46, 28, and, in a certain sense, 48, 1 and 58, 25, are to me reasons for assigning this work to the time of his stay at the Austrian court, and of his direct contact with the tradition of the older Minnesong, introduced and developed there by Reinmar von Hagenau and by Walther von der Vogelweide.

In this comparison of the *Pastourelle* with the German *Volklied*, I have tried to show a sufficient amount of similarity and identity of features to include everything claimed by those who with Meyer still see *Pastourelle* influence in Neidhart's work, and to render probable the explanation of the decline of German Minnesong through the fusion of German popular poetry with the brilliant but artificial poetry of Chivalry.

THE EXPRESSIVE POWER OF ENGLISH SOUNDS.

ALBERT H. TOLMAN.

Cases of the expressive use of sounds were classified under four heads: muscular imitation, muscular analogy, sound-imitation, and sound-analogy. Muscular imitation may be defined as the approximate imitation by the muscles employed in articulation of some shape or some motion; muscular analogy is a general likeness between the action of the organs of speech in uttering a passage and some muscular action therein described or suggested. Sound-imitation is the imitation by language of some natural or artificial sound or set of sounds. The most subtle form of expression through the sounds of language is what is here termed sound-analogy. The expressive power of the various consonants and classes of consonants is more easily determined than that of the vowels. (See article by the writer in the *Andover Review* for March, 1887.) The ground is taken that the vowels, if arranged in the order of what phoneticians call their natural pitch, give us also a scale of expressiveness. The vowels having the highest natural pitch (*i* in *little* and allied vowels) are especially adapted to express gayety, triviality, physical littleness, and similar ideas. The vowels of lowest natural pitch (*oo* in *gloom* and related sounds) naturally express such ideas as solemnity, deep grief, and extreme or oppressive greatness of size.

[This paper was printed in the *Atlantic Monthly* for April, 1895.]

ROUSSELOT'S PHONETICAL APPARATUS.

H. SCHMIDT-WARTENBERG.

The great advance made in our knowledge of the physiological side of sound production, its development and decay, has been brought about by experiment. Of the many instruments used for investigations in phonetics there are three to which the hopes of scientists are at present directed: 1) Hensen's Phonautograph, based on the instrument of Scott, improved by König; 2) the apparatus devised by Professor Hermann and used by him in his Königsberg laboratory; 3) the apparatus used by Rousselot. The first two instruments are designed to investigate the nature of vowel sounds, for which conclusive results have not as yet been reached.

The apparatus of Rousselot appeals more directly to the philologist. It is the most ingeniously constructed device to solve the many questions of practical, applied phonetics. In the year 1891, L'Abbé Rousselot published a study on "Les modifications phonétiques du langage étudiées dans le patois d'une famille de Cellefrouin, Charente," a work which was awarded the Volney medal. The instruments used for this investigation were duplicated by the firm of Charles Verdin, Paris, and exhibited before the Philological Association of the University of Chicago. The collection consists of the following instruments: 1) A registering apparatus, moved by clockwork with the Foucault regulator, used for recording inscriptions. 2) A number of drums (Marey's invention) with inscribing styles, fastened to a movable sleigh. 3) Nose-observer, for investigations of nasals. 4) Lip-observer (Rosapelly's) for determining the degree of lip closure. An apparatus devised and described by the lecturer to register the lip contraction, has since been added to the collection. 5) An external tongue and larynx observer. 6) An artificial palate. Several minor devices complete the outfit. The apparatus can be used for almost any investigations of importance to the phonetician: Pitch of vowels, quantity of vowels and consonants, position of accent, sonancy or non-sonancy of consonants, fortis and lenis, nasality, tongue position and the important questions

of glides and unconscious changes in intended speech for an analization of which the ear is not sufficient. The sensitiveness and accuracy with which the apparatus works supercedes all former experiments. Many investigations require, however, the help of an assistant. For this reason only a small number of important inscriptions could be shown, e. g. American nasal pronunciation, and some records of the so-called sonant nasals and liquids, the results of which will appear elsewhere.

DIPHTHERIA AND THE ANTITOXINE TREATMENT.

EDWIN O. JORDAN.

Diphtheria occupies in many respects a unique position among infectious diseases. The peculiarly insidious character of the onset, the generally high rate of mortality, and the difficulty in distinguishing between throat affections specifically infective and those devoid of this quality, combine to render this disease singularly baffling. Furthermore, diphtheria, instead of diminishing during the last twenty years, like the generality of zymotic diseases, has become increasingly prominent in the mortality returns; and in England the incidence of the disease has shifted during this period from the rural to the urban districts.

Although it has long been known that diphtheria is an extremely infectious disease, it is only quite recently that any knowledge of the specific agent of infection has been forthcoming. In 1884 Löffler proved that the rod-like organism found in the false membrane and described earlier by Klebs stood in most intimate relation to the disease. Pure cultures of these organisms were obtained outside the body by Löffler and other investigators, and these cultures, when inoculated into animals, gave rise to the characteristic symptoms and lesions of diphtheria. The "Klebs-Löffler bacilli" are generally recognised today as the causal agents in diphtheria. These bacilli are always present in the false membrane in cases of "true" diphtheria, and are detected (a) by their behavior towards certain aniline dyes (Roux's solution), and (b) by cultivation upon blood-serum. . . .

In 1890 Behring and Kitasato came to the conclusion that the substances found in the body during an attack of infectious disease might not only exert a bactericidal influence, but might act so as to antagonize or neutralize the bacterial toxin. The idea was then conceived that it might be possible to produce these bactericidal or antitoxic substances in one animal and then transfer the product to another animal affected with the disease. Acting on this conception remarkable results have been obtained by Behring, Roux, and others.

Diphtheria antitoxin is obtained conveniently and in considerable quantity from the horse after about three months' treatment with small doses of diphtheria toxin (germ-free filtrate from bouillon cultures of diphtheria bacillus). Use of antitoxin in a Paris hospital (448 cases) has diminished the diphtheria mortality from 51.7 per cent. to 24.5 per cent.; in a Berlin hospital (255 cases) from 32.5-41.7 per cent. to 12.1 per cent. Similarly favorable reports have come from all sources where the antitoxin serum has been used.

AN ELIZABETHAN UNIQUE.

MARTEA FOOTE CROW.

"Piers Plainnes seaven yeres Prentiship," by Henry Chettle, exists in a unique copy found at the Bodleian. It was printed in 1595, and has never been reprinted.

The book was described, and illustrative passages were read from a manuscript copy of the work. The story is a combina-

n of pastoral, heroic, and picaresque elements, with euphuistic touches, is written in a style showing some grace and considerable vigor, and contains a few lyrics of some merit. Mrs Crow differed with M. Jussierand in her estimate of the value of the work.

THE POETRY OF GEORGE MEREDITH.

MARTHA FOOTE CROW.

The rank of George Meredith as a poet was discussed, and the tardy appreciation which has been accorded him. Meredith is first a poet, and this fact has had a bearing upon his prose style. In the content of his poetic works he shows great breadth of range and versatility. His wide searchings into Southern and Northern literature and history have given him themes of novel interest and power. Meredith's command of metre and tone-color, and other verse-devices, give his poetry a charm and fluency that few of our poets attain. He is one of the greatest masters of organic tone-color that we have. Selections from "Love in a Valley," "The Ode to France," "Modern Love," and other poems were read, in illustration of the style and thought and philosophy of the poet.

A M. E. AND E. N. E. SIMILE, "HAIR LYKE GOLDE WYERE."

OSCAR L. TRIGGS.

1. First instance of its usage in Layamon's *Brut*, ll. 7047-8; given currently by Lydgate; common in sixteenth century literature.

2. A refinement of a larger comparison—hair like gold.

3. Its literary value determined by a) Gold was the "primary color of delight," Pater. Cf. Venetian and Florentine paintings. b) Deity was symbolized by Light. Angels had golden or "sunnish" hair, cf. Dante's usage. c) Blonde was the aristocratic color, cf. the Old-N *Lay of Righ*. d) At the court of Elisabeth hair was dyed yellow to compliment the Queen, cf. Spenser's ladies in the *Faerie Queene*.

ART THEORY IN THE POETRY OF ROBERT BROWNING.

EVELINE J. STANTON.

- I. Beauty an expression of the Infinite. (1) God, the perfect artist—"Paracelsus." "Death in the Desert." "Rabbi Ben Ezra," "Fra Lippo Lippi." (2) Joy associated with creation—"Paracelsus."
- II. How beauty comes down to the artist. (1) Interaction of man and Heaven—"Abt Vogler." (2) Mediation of a magnetic personality—Pauline." (3) Certainty of the artist, compared with that of the scientist—"Abt Vogler," "Francis Furini."
- III. Function of Art. (1) Unity of purpose pervading all arts—to make manifest the truth—"Fifine at the Fair." (2) Relation of the true, the good, and the beautiful,—"Two Poets of Croisic," "Transcendentalism," "The Ring and the Book." (a) Discord—a concrete expression of evil,—"Fifine at the Fair." (3) Function of the different arts. (a) Gradation of the arts—"Paracelsus." (b) Sculpture and Painting interpreted by life,—"Jas. Lee's Wife," "In a Balcony." (c) Poetry—a prophecy of life, an expression of spiritual truth,—"Sordello," "How it Strikes a Contemporary." (d) Music—expression of the deepest truths and feelings,—"Chas. Avison," "Fifine at the Fair."

IV. Personality in Art. (1) Personality the vital element in art,—"The Ring and the Book." (2) Personality evoked by art,—"Balaustion's Adventure."

V. Relation of art to Life. (1) Soul-content of artist greater than his art,—"Sordello." (2) Success in art related to the conduct of the artist,—"Youth and Art," "Two Poets of Croisic." (3) Success in art related to the environment of the artist,—"Cleon," "Fra Lippo Lippi."

VI. Relation of art to Nature. (1) Objective beauty—real existence—"Easter Day." (2) Art as a prophecy of nature—"Fra Lippo Lippi."

VII. Relation of art to Society. (1) Activity of soul demanded for perception of art—"Balaustion's Adventure." (2) Opposition to intrusion of critics—"House," "Popularity."

VIII. Fashion in Art. (1) Human nature the permanent element in art—"Fifine at the Fair." (2) Music most affected by time—"Chas. Avison," "Fifine at the Fair."

BROWNING'S "PARACELSUS."

M. E. LOVE.

This paper discussed the career of Paracelsus in its threefold process of (a) preparation in Love (Joy), Knowledge, and Power; (b) loss of self through neglect of "Joy"; (c) recovery of self through attainment of "Joy." The Creator is exhibited here in his aspect of Joy, elsewhere interpreted Love. The central fact in the life of Paracelsus was his change into the artist

APPARENT ABSENCE OF UMLAUT IN OLD ENGLISH

FRANCIS A. WOOD.

The cases treated are of two kinds: (1) absence of umlaut in appearance only; (2) absence where umlaut might be expected.

(1) There is no evidence that *j* ever disappeared between vowels before causing umlaut. Intervocalic *j* caused umlaut in: *hæg* < (*hauja-), *hiew*, *glig*, *teg*, *clegan* (Ps. *cigan*, North. *ceiga*, *ceia*), *hægan*, (O. N. *hægja*), *strigan*, and others. But in *smægean*, *threagean*, umlaut is apparently lacking. These forms, however, are from the older *smætan*, etc., just as *twotegean* is from **twæton*, cf. O. H. G. *zwehen*. (Cf. Marguerite Sweet, *Am. Jour. of Philol.*, XIV., 428.) But *smætan* is no contraction of **smætan*, but of **smætan*. Cf. *hætan* < *hætan*, Sievers, *Angelsächs. Gram.*, §408, 4.

In like manner *fria* < **fria* (not **fria*). For Goth. *augjan* O. E. has *sewan* and *sewan*. Sievers, *Angelsächs. Gram.*, §408, 2, calls *sewan* a form without umlaut. This verb is related to Goth. *augō*, and has also been connected with the I. E. root *ag* in Lat. *oculus*, Gk. *ōvō*, etc. The *au* of *augō* is explained as a contamination of the two stems *ag-* and *a(g)w-*. (Cf. Osthoff, *Paul und Braunes Beistage*, viii., 261, ff; Brugmann, *Grundr.*, i., §444, Anm. 3.) This contamination might easily arise independently in the verb. We may assume its original form to be **agjan*, since here the labialization disappears; cf. Brugmann, *Grundr.*, ii., §110. The pret. would regularly be **awida*. This gave Goth. *augjan*, *awida*, with corresponding forms in O. H. G., O. S., etc. In O. E. arose forms without *g* from an original **awjan*, **awida*, which yielded respectively; **awjan* > *sewan*, and **awida* > *sewede*. Cf. *strowede* < *strowede*, Goth. *strowida*, Sievers, *Angelsächs. Gram.*, §73, Anm. 1. From *sewan* developed a pret. *sewde*, and from *sewede* a pres. *sewan*. The form *sewan*, which also occurs, is probably dialectical for *sewan*.

(2) The reduplicating verbs *blāwan*, *clāwan*, etc., are for the most part weak in the other Germanic dialects, and develop umlaut. Sievers, *Angelsächs. Gram.*, §82, assumes that the *dw* here comes from *aiw*, comparing Goth. *saian* and the development seen in Goth. *snaius*: O. E. *māw*. But the cases are not parallel. The *ai* in *snaius* is a real diphthong, but in *saian* it represents I. E. *i*. Cf. Bremer, *Paul und Braunes Beiträge*, xi., 51 ff. The *w* of O. E. *blāwan* is a transition sound, and could not have developed while *j* stood between the vowels. But since there is no trace of a *j*, the only explanation possible is to adopt for these verbs the explanation given by Bremer, *Paul und Braunes Beiträge*, xi., 73, for Goth. *saia* < **aiō* < **stmi*. Cf. also Möller, *Anzeiger für deutsches Alterthum*, xx., 119.

Similarly the verbs *blōwan*, *flōwan*, etc., represent the unthematic inflection. That is, while in these verbs the *jo*-inflection was generalized for the most part in W. G., it was crowded out in O. E.

ON METHARMONIC POINTS.

H. MASCHKE.

An arbitrary point on the sphere subjected to the six rotations of the dihedron-group $n=3$ assumes six different positions. The anharmonic ratio of any four of these six points is, in general, imaginary. For special positions, however, some of these ratios may become real and, in particular, harmonic. The investigation of groups of points* of this kind is connected with many interesting geometrical problems.

* For definition of metharmonic points, see H. Maschke, "Ueber eine merkwürdige Configuration gerader Linien im Raume," *Math. Ann.*, 1890, Vol. XXXVI., p. 190.

THE WEIERSTRASS FORMULÆ WHICH DEFINE MINIMAL SURFACES.

JAMES HARRINGTON BOYD.

These formulæ are derived by showing how to conformally represent a minimal surface (namely one at every point of which the principal radii of curvature are equal with contrary signs) upon a sphere of radius unity by parallel normals—Schwarz's Collected Works, Vol. I, p. 9, and Weierstrass' memoir in a. a. O. S. 616.

SATIRE ON WOMEN IN OLD FRENCH.

THEO. L. NEFF.

- A. 1. A list of the titles of poems was given, with a partial bibliography of the subject.
2. These works are generally of a low order of merit and sometimes descend to vulgar abuse. They are interesting chiefly because they form a part of literary history.
3. There are many references in French literature either to these poems, or to the well-known stories on which they are founded.
4. These satires called forth poems in defense and praise of women, even more devoid of merit than the satires.
- B. The *Évangile aux Femmes* is generally regarded as the best of these satires. Jehan Darpain (or Dupin) and Marie de France have each been considered its author, most investigators, up to 1876, holding to the authorship of the latter, but Mr. E. Mall, has clearly shown that it cannot have been written by either of them. The author therefore remains unknown. The text of the *Évangile*, with translation into English, was given.
- C. *Le Chastie-Musart* is a poem of mono-rhymed quatrains, with twelve syllables to the line, varying greatly in length according to different manuscripts and dating from the thirteenth century. A translation of the poem was given.
- D. *La Femme comparée à la Pie*, a short poem written in couplets

coués, the *cowe* or *queue* of one stanza rhyming with that of the following. In this poem the poet exhausts the resemblances of women to the magpie. Text and translation given.

- E. *Le Blâme des Femmes*, a short poem in octosyllabic rhymes, with rhymes in couplets. Its success was much greater than its merits justified. Some of the earliest manuscripts date from the thirteenth century. Text and translation given.

A CONTRIBUTION TO PROVENÇAL LITERATURE.

[An obscure passage of the "*Dalſin d'Auvergne*."]]

RENÉ DE FOYEN-BELLISLE.

Dies (*Das Leben und Werke der Troubadours*, p. 92), after having paid full tribute to the brilliant qualities of this troubadour-prince, and acknowledged the generous patronage he extended to his fellow-troubadours, as well as his enlightened love of poetry and art, relates an anecdote connected with his dealings with the Bishop of Clermont, and quotes a few lines written on this occasion. Neither the story nor the quotation, however, is complete, and since I have not been able to find anywhere a translation of the passage I am alluding to, since also Dies's translation stops where the real difficulties begin (no doubt because the master did not care to waste any more time upon such a trifle), it has occurred to me that students of old Provençal literature might be interested to know what one of their fellow students has made out of it.

I may add that a Sirvente written also by Robert I. Dalſin d'Auvergne and quoted by Dies (*op. cit.* p. 96) is precisely founded upon the occurrence I am going to relate and the lines I am going to translate, thus showing all the more the propriety of doing it.

I will first transcribe the passage as it is contained in Rochemure's *Parnasse Occitanien*, p. 84; Raynouard's *Choix des Poésies Originales des Troubadours*, Vol. V, p. 124, and Mahn's *Gedichte der Troubadours*, Vol. I, p. 130, the three versions being absolutely identical in the minutest details.

Lo Dalſins d'Alverne si era drutz d'una domna d'un son castel et avia nom domna Maurina; et un dia ella mandet al baile del Dalſin que ill des lart ad ous frire; e 'l baile si l'en det un metz bacon. E l'evesques lo saup e fetz n'aquesta cobia, blasman lo baile, car no il det lo bacon tot entier, e blasman lo Dalſin que lo feisets dar metz.

Per Crist, si 'l servens fos meus,
D'un cotel li dari'al eor,
Can fes del bacon partida
A lei que 'il queri tan gen.
Ben saup del Dalſin lo talen,
Que s'el plus ni men no i meses,
A la ganta li dera tres,
Mas pose en ver dire
Petit ac lart Maurina als ous frire.

L'Evesques si era drutz d'una fort bella dompna qu'era moiller d'en Chantart de Caulec qu'estava a peecadoiras e 'l Dalſins si 'l respondet a la cobia.

Li evesque troban en sos breus
Mais volon Chaulet que por,
E pesca que li covida
A peecadoiras fort soven
Per un bel peisson que lai pren;
E'l peissos es gais e cortez;
Mas d'una re l'es trop mal pres
Car s'es laissatz ausire
Al preveire que no fais mas lo rire.

Dies's translation is almost literal, but stops abruptly with

the fifth line of the Bishop's cobia. The sixth line is clear, the seventh:

a la ganta li dera tres

must be first corrected thus:

a la ganta li dera tres.

Ganta means a *stork*, and no possible sense can be obtained if the word is retained under this form. The mistake is so obvious that I do not care to dwell longer upon it.

I would then translate this line with the proceedings: "If the servant were mine I would strike his heart with a knife, because he divided the bacon (instead of giving it whole) to one who so gently asked for it. He knew well the Dalfin's mind, and that he put either more or less, he (the Dalfin) would give him three blows on his cheek; or, still better, if we take *tres* < trans,

he would strike him across his face,

this last reading being thoroughly idiomatical and still widely used in familiar speech. (Cf. French: "*Je t'en donnerai par la gueule*," a vulgar expression, but not the less idiomatic for that.)

The last two lines of the Cobia are plain:

"But I can say in truth that Maurina has very little lard to fry her eggs."

I proceed with the translation.

"The Bishop was the lover of a very handsome lady, who was the wife of M. Chantart de Caulec, who lived near the fishing grounds, and the Dalfin answered thus to the Cobia:

"The Bishop making short little poems, longing more for little cabbage than leek and for fishing that invites him there, at the fishing grounds quite often, on account of a fine fish that he catches there; and the fish is lively and well mannered; but in one particular for him (the Bishop) it has taken a bad course (lit: it has happened badly) because he has allowed himself to be heard (to be caught) by the priests; therefore I do nothing but laugh at him."

First we must notice a fault in the transcription of the text in the first line of the Cobia, "*Li Evesque*." This word being the subject and used in the nominative case should be written with an *s*. It is evident that the scribe was either ignorant or careless; and after such a glaring mistake it is not surprising that he may have also inadvertently put a comma at the end of the second line, where it does not belong.

Next, the construction with the present participle is here equivalent to the present construction; and, since in descriptive sentences it is widely used in Old French and Provençal, I need not say any more about it here.

We now come to my interpretation of the lines. The Dalfin simply makes a pun with the name of the fair one, *Caulet* or *Chaulet* means a little cabbage, and *por* < *porrum* is simply leek. I have no doubt that it is this word that has complicated for many the enigma. Its apparent identity with the preposition diverted the attention from its real source. The word, however, can be found in Raynouard's *Lexique Roman* as *porr*; but any one acquainted with French and Provençal sounds will not hesitate to admit that *por* here is the same word written *porr* by Raynouard.

Porr can only be a learned autography, the second *r* having no phonetic existence, and its disappearance being imperiously required for the rhyme.

In the following line *li* is equal to *lo* < "fishing that invites him there." Here it is the copyist who is at fault, for the scribe's transcription represents the general mode adopted in Provençal texts.

The rest does not call for any special explanation, and my rendering strictly adheres to the text.

[Read before the Romance Club on the third Tuesday of January, 1896.]

THE INFLUENCE OF THE ARABS ON THE POLITICAL, SOCIAL, AND MORAL LIFE OF THE HEBREWS.

D. A. WALKER.

The term *Arab* as applied to peoples related to the early history of the Hebrews is one of indefinite content. The actual use of the terms *Arabia* and *Arabians* is limited to a certain district and tribe, the equivalent of our general term *Arabs* being found in such expressions as "children of the East" and "the mixed multitudes," while in one or two cases the term *Ishmaelites* seems to be used in a general sense rather than as the specific name of a tribe. We may arrive at the content of our designation *Arab* for biblical purposes either ethnologically by a study of the genealogical tables, or sociologically by a classification according to mode of life, but neither method gives a very definite result, for the genealogical tables seem to be popular and geographical rather than ethnologically scientific in their construction, and, as with the modern *Arabs*, no clear distinctions can be drawn between the nomadic and urban tribes. A third method, and the one adopted in this paper, is that of exclusion, by which all peoples concerned in the history of Israel who are commonly recognised as non-Arab are left out of the term and what remain are treated as *Arabs*. Then follows a detailed statement of the historical incidents in the relation of these several tribes to Israel. The conclusion arrived at from this study is that the influence of the *Arabs* upon Israel, except as a source of petty irritation, was practically nothing. Some exceptions to this may be found (a) in the tradition that Israel's judicial system was adopted at the suggestion of a Midianite sheikh, Moses' father-in-law; (b) in Jeremiah's employment of the *Rechabites* to teach the Jews a lesson of obedience and temperance, this incorporated *Arab* family being in the midst of Israel for centuries a standing example of simple and righteous living; (c) in the frequent employment for literary purposes of illustrations drawn from *Arab* life, seen most prominently in the adoption of an *Arab* setting for the drama of *Job*; (d) in the credit given to certain *Arab* peoples for gnomic wisdom, suggesting that Israel's wisdom literature may have felt an influence from this source; (e) injunctions against certain heathen practices prevalent among the *Arabs*, such as certain methods of trimming the hair and beard, imply that the prophets feared adverse influences from this source. As explaining the comparatively small evidence of *Arab* influence upon Israel we have the following considerations: (a) the inferior civilisation of the *Arabs* had nothing in it to attract the Hebrews and hence could contribute nothing to their civilization; (b) whatever of national characteristics the Hebrews had in common with the *Arabs* may be referred to their own nomadic origin, rather than to any influence coming in from without at a later day; (c) our lack of information from independent, i. e., extra-biblical, sources as to what the *Arabs* were and what institutions they had in those early days makes it impossible to say whether certain institutions of comparatively late appearance, such as the cities of refuge in Israel and sacred months and territories in Arabia, were derived by the Hebrews from the *Arabs* or *vice versa*. The general conclusion is that, while the influence of the Hebrews upon the *Arabs*, especially in later times, has been very marked, that of the *Arabs* upon the Hebrews has been insignificant.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

Four standing committees of the Christian Union attend to the various branches of its work: The Committee on Biblical Study, the Committee on Social Life, the Committee on Philanthropic Work, and the Committee on Public Worship. A full statement of the religious organizations has been published in a special pamphlet entitled "The Religious Organizations of The University of Chicago" (1894).

THE COMMITTEE ON BIBLICAL STUDY.

PROFESSOR RICHARD GREEN MOULTON delivered on successive Sunday afternoons of the Winter Quarter, in *Kent Theatre*, ten lectures on *The Old Testament Literature*. The series included the following topics:

1. *The Book of Job*; presented purely as a piece of literature.
2. *The Book of Job*; as a meeting point of different literary interests.
3. *The Three Unities of Biblical Literature*.
4. *Lyric Poetry of the Bible*; The Biblical Ode.
5. *Lyric Poetry of the Bible*; The Biblical Psalm.
6. *Lyric Idyl*: "Solomon's Song."
7. *Epic Poetry of the Bible*.
8. *Biblical Literature of Rhetoric*; The Book of Deuteronomy.
9. *Biblical Literature of Wisdom*.
10. *Wisdom Literature*; "Ecclesiastes" and "Wisdom of Solomon."

THE COMMITTEE ON PUBLIC WORSHIP.

The following addresses have been delivered before the Christian Union on Sunday evenings, from January to March, 1895:

University Settlement Meeting.—Addresses by HEAD PROFESSOR J. LAURENCE LAUGHLIN and MRS. ALICE FREEMAN PALMER, of the University; MISS McDOWELL, of the University Settlement, and MR. JOHN GRAHAM BROOKS, of Harvard University.

Jan. 6.

REV. HENRY C. MABIE, D.D., Boston.

Surrendered Personality.

Jan. 13.

REV. HENRY C. MABIE, D.D., Boston.

The New Asia.

Jan. 20.

MR. JOHN GRAHAM BROOKS, Harvard University.

A New Method of Fighting the Saloon: The Norwegian System.

Jan. 27.

REV. MYRON W. HAYNES, D.D., Chicago.

The Men Who Stand.

Feb. 3.

REV. PROFESSOR SAMUEL IVES CURTISS, D.D., Chicago.

The Indebtedness of the World to Christianity.

Feb. 10.

ASSOCIATE PROFESSOR CHARLES R. HENDERSON, The University.

Growth, Culture, Service.

Feb. 17

REV. C. E. HEWITT, D.D., The University.

What is Man?

Feb. 24

PRESIDENT WILLIAM R. HARPER, The University.

Why Should a College Student Study the Bible?

March 3

ASSISTANT PROFESSOR ALBERT H. TOLMAN, The University.

Christian Influence.

March 10

ASSOCIATE PROFESSOR WILLIAM D. MCCLINTOCK The University.

Religion and the Art of Literature.

March 17

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

The Winter Quarter was not marked by any special event or activity in the life of the association. The regular weekly meetings were usually conducted by some member of the association, and were generally of a devotional nature. At the close of the first term of the Quarter the two Christian associations of the University gave a joint reception to their members only. This was carefully arranged for by the social committees, and proved to be one of the most pleasant social features in the history of the organizations. At the close of the Quarter the following officers were elected and committees appointed for the ensuing association year, beginning with the Spring Quarter:

President, W. A. Payne; Vice President, H. D. Abells; Treasurer, Abraham Bowers; Recording Secretary, F. Grant; Corresponding Secretary, W. C. Chalmers.

Committees were appointed as follows:

Devotional Committee:

W. R. Shoemaker, F. D. Nichols, W. E. Chalmers, Forrest Grant, W. S. Davis, F. W. Woods.

Membership Committee:

H. D. Abells, F. J. Gurney, A. A. Stagg, A. S. Smith, H. C. Henderson, T. L. Neff, John Hulshart, G. W. Shallies.

Finance Committee:

Abraham Bowers, E. J. Goodspeed, Waldo Breeden, Philip Hayward.

Reception Committee:

W. O. Wilson, J. S. Brown, E. E. Snow, Joseph Norwood, J. W. Fertig.

Missionary Committee:

W. A. Wilkin, John Hulshart, C. B. Williams.

Bible Study Committee:

Horace Butterworth, C. J. Hoebcke, C. H. Gillion, P. S. Graves, V. E. McCaskill, S. F. McLennan, F. P. Bachman, Stephen Stark, V. O. Johnson.

Intercollegiate Work Committee:

W. E. Chalmers, D. A. Walker.

Fisk Street Mission Committee:

M. P. Fritchey, D. A. Lehman, V. O. Johnson, H. S. McClenahan, R. B. Davidson, F. K. Farr, E. L. Hughes, S. C. Mosser, Warren Chase, D. A. Walker.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

The Association made good progress in every department during the Winter Quarter. The membership has been more than doubled, the Association now numbering 103. Prayer-meetings have been held regularly on Thursdays at 1:30 P.M., and with the Y. M. C. A. Sundays at 7:00 P.M. Many of the members have met once a week in three classes for Bible study, and Dr. Hulbert's class in the History of Missions has been well attended by Y. W. C. A. members. A reception was given to the incoming students and a social for members only have been given in conjunction with the Y. M. C. A. The Fisk Street Mission work has been maintained in all its branches.

The following are the committees:

Executive Committee:

President, Mary Maynard; Vice President, Aletheia Hamilton; Recording Secretary, Lila C. Hurlbut; Corresponding Secretary, Mary Thomas; Treasurer, Mabel A. Kells.

Reception Committee:

Jeannette Kennedy, Louise Scovel, Maud Radford, Lucy Johnston, Carrie M. Goodell, Bertha Stiles.

Sub-Committee:

Mary Love, Mary Parker, Grace Goodman, Elizabeth Greene.

Membership Committee:

Ruth E. Moore, Mrs. Stagg, Esther Anderson, Julia Dumke, Mabel Freeman, Loa Scott.

Missionary Committee:

Cora Allen, Fanny Bates, Jessie Mighell, Thora Thompson, Emily Reynolds.

Sunday Evening Committee:

Marion Morgan, Harriet Agterter.

Prayer Meeting Committee:

Cora Jackson, Carrie Moore, May Rogers, Charlotte Teller, Edith Neal.

Sub-Committees:

Music—Ella Osgood, Char. Cornish, Susan Harding.

Ushering—Marion Cosgrove, Mary Furness, Jennie Boomer.

Advertising—Elsa Miller, Grace Manning, Agnes Browne, Emma Wallace, Glenrose Bell.

Bible Study Committee:

Aletheia Hamilton, Carrie Breyfogle, Katharine Hutchison, Florence Evans, Mrs. Dixon.

Finance Committee:

Mabel Kells, Alice Downing, Cora Gettys, Mabel Martin, Ruth Rew, Miss Ramsdell, Frances Williston, Mabel Dougherty, Rose Gilpatrick.

Inter-Collegiate Relations Committee:

Mary Thomas, Eleanor Keith, Charlotte Coe, Elizabeth Hill.

Fisk Street Committee:

Florence Mitchell, Lucia Manning, Jennie Hutchison.

Sub-Committee:

Elizabeth Roggy, Martha Root, Minnie White, Maud Radford.

DIVINITY SCHOOL MISSIONARY SOCIETY.

The society met every alternate Thursday evening at 7:00 o'clock. The following addresses were made before the members during the Autumn Quarter:

HEAD PROFESSOR E. D. BURTON.

The Work of the Missionary Society in our Education.

ASSISTANT PROFESSOR MONCRIEF.

Missions: Their Past, and Encouragement for their Future. October 11

HORACE T. PITKIN, Traveling Secretary for the West of the Student Volunteer Movement for Foreign Missions.

Foreign Missions. October 24

H. K. BOYER, M. A. SUMMERS, and F. C. JACKSON.

Reports of the Meetings of the Inter-Seminary Alliance held at Springfield, Ohio. November 8

Address by MR. FRANCIS W. PARKER, President of the City Mission Society. November 22

ASSOCIATE PROFESSOR C. R. HENDERSON.

The Nature of the University Settlement.

MISS McDOWELL.

Life at the University Settlement. December 8.

HISTORY OF MISSIONS.

HEAD PROFESSOR ERI B. HULBERT delivered a course of weekly lectures beginning on Friday, November 27. The general subject and the individual topics were:

A. *Missions in the Sixteenth Century—Period of the Reformation.*

1. The Protestant Revolution and the Counter Reformation.
 2. Jesuit Zeal and Protestant Apathy in the Cause of Missions.
 3. The Missions to Brazil and Lapland.
- B. Missions in the Seventeenth Century.*
4. The German Interest in Missions.
 5. The Dutch Interest in Missions.
 6. The English Interest in Missions.
- C. Missions in the Eighteenth Century.*
7. The Pietistic Movement.
 8. The Hans Egede Movement.
 9. The Moravian Movement.
 10. The David Brainerd Movement.
 11. The Wesleyan Movement.
 12. The Movement by Missionary Societies.

DISCIPLES CLUB OF THE UNIVERSITY OF CHICAGO.

Topics of recent meetings:

1. Current Religious Thought,
2. The present status of Sociological study,

3. Social Settlements.
4. Figures of speech in the New Testament.
5. Psychic Healing.
6. Alexander Campbell and his times.
7. The relation of the disciples to the movements of religious thought at the beginning of the century.

THE VOLUNTEER BAND

held weekly meetings during the Autumn Quarter. Fridays at 5 o'clock, in D 7. The Band had addresses by Dr. Mabie of the American Baptist Missionary Union, Mr. H. T. Pitkin, and by the Chairman of the Executive Committee, Mr. John R. Mott.

In connection with the joint Missionary Committee of the Y. M. C. A. and Y. W. C. A., a class was formed in the History of Missions in the Sixteenth, Seventeenth, and Eighteenth Centuries. Dean Hulbert, of the Divinity School, conducted the class, which met on Fridays at 4 o'clock in D 6. This exercise, open to all members of the University, had an average attendance of sixty-five.

EXERCISES IN THE UNIVERSITY CHAPEL.

WINTER QUARTER, 1895.

CHAPLAINS.

ASSOCIATE PROFESSOR G. S. GOODSPEED.	January 2-4
ASSOCIATE PROFESSOR F. JOHNSON.	January 8-11
ASSOCIATE PROFESSOR W. D. MCCLINTOCK.	January 15-18
ASSOCIATE PROFESSOR J. H. TUFTS.	January 22-25
MR. G. C. HOWLAND.	January 29-February 1
ASSOCIATE PROFESSOR S. MATHEWS.	February 5-8
HEAD PROFESSOR E. D. BURTON.	February 12-15
ASSOCIATE PROFESSOR S. W. CUTTING.	February 19-22
PROFESSOR B. S. TERRY.	February 26-March 1
ASSOCIATE PROFESSOR I. M. PRICE.	March 5-8
HEAD PROFESSOR H. P. JUDSON.	March 12-15
ASSISTANT PROFESSOR J. W. MONCRIEF.	March 19-22

CHAPEL ADDRESSES.

REV. J. Q. A. HENRY, D.D., San Francisco, Cal.
Opportunity, Service, Sacrifice. Friday, January 4.

ASSISTANT PROFESSOR M. F. CROW, The University.
The Critical and Creative Moods. Wednesday, January 9.

ASSOCIATE PROFESSOR W. D. MCCLINTOCK, The University.
Sweet Reasonableness. Wednesday, January 16.

ASSOCIATE PROFESSOR J. H. TUFTS, The University.
Great Motives for Common Duties. Tuesday, January 22.

MR. F. B. SANBORN, Concord, Mass.
Concentration. Wednesday, January 23.

PRESIDENT WASHINGTON T. BOOKER, Tushega, Alabama.
Work Among the Colored People. Thursday, January 24.

ASSOCIATE PROFESSOR J. H. TUFTS, The University.
Saving Life by Losing it. Friday, January 25.

HEAD PROFESSOR E. D. BURTON, The University.
Prayer. Wednesday, February 13.

HEAD PROFESSOR H. P. JUDSON. Wednesday, March 6.
 Brief addresses by the Chaplain at various times during the Quarter.

UNIVERSITY LECTURES.

REV. H. C. MABIE, D.D., Secretary of the American Baptist Missionary Union, delivered a course of seven lectures in January on the general subject: *Antecedents of Missionary Power*. The special subjects and dates were as follows:

<i>Surrendered Personality.</i>	Jan. 13.
<i>The Inworking Word.</i>	Jan. 15.
<i>The Divinely Attested Life.</i>	Jan. 16.
<i>An Embassy in a Chain.</i>	Jan. 17.
<i>Imbuement for Spiritual Succession.</i>	Jan. 18.
<i>Extension of the Incarnation.</i>	Jan. 19.
<i>Method in Spiritual Enlightenment.</i>	Jan. 20.

MR. JOHN GRAHAM BROOKS, A.B., University Extension Lecturer in Political Economy, The University, delivered a course of six lectures on *The Church and the Labor Question*, in Chapel, Cobb Lecture Hall, at 4:30.

DR. RENÉ DE POYEN-BELLISLE, Assistant in Romance Philology, The University, gave four public lectures in French, at 3:00, in Lecture Room, Cobb Lecture Hall, on:

<i>Romantiques et Décadents.</i>	Feb. 14.
<i>Victor Hugo.</i>	Feb. 21.
<i>Alfred de Musset.</i>	Feb. 28.

Le Parnasse Contemporain. March 7.

DR. DAHL delivered the following public lectures on *Scandinavian Literature* in the Lecture Room, Cobb Lecture Hall, on successive Fridays at 5:00 o'clock:

<i>Björnstjerne Björnson.</i>	March 1.
<i>Henrik Ibsen.</i>	March 8.
<i>The Norwegian Language in its Relation to Norwegian Literature.</i>	March 15.
<i>Esaias Tegnér.</i>	March 22.

A course of lectures upon the subject of *Physical Culture* was given during the Winter Quarter by ASSOCIATE PROFESSOR STAGG. The lectures were given on Tuesdays, at 5:00 o'clock, beginning Tuesday, Jan. 15, 1895. The following were the subjects treated:

<i>Nature's Provision for Man's Physical Development.</i>
<i>Physical Development and its Problem.</i>
<i>History of Physical Training Among the Ancients.</i>
<i>History of Athletics and Gymnastics since the Downfall of the Greeks.</i>
<i>Modern Types of Athletics and Gymnastics.</i>

MUSIC.

WARDNER WILLIAMS, Assistant in Music.

ORGANIZATIONS.

University students are cordially invited to identify themselves with some one of the following musical organizations:

- The University Choir.
- The University Chorus.
- The University Glee Club.
- The University Orchestra.
- The Mandolin Club.
- The Banjo Club.
- The Women's Banjo and Mandolin Club.

The FOLLOWING MUSICIANS appeared at the University during the Winter Quarter:

- Mr. Frederick Boscovitz, *Pianist*.
- Miss Bertha E. Bingham, *Soprano*.
- Miss Eolia Carpenter, *Contralto*.

- Miss Florence Castle, *Accompanist*.
- Miss Corinne May Clark, *Pianist*.
- Mrs. Carrie Crane, *Accompanist*.
- Miss Helen Cochran, *Accompanist*.
- Mr. W. H. Dale, *Baritone*.
- Miss Blanche Dingley, *Pianist*.
- Miss Mary B. Dillingham, *Accompanist*.
- Miss Margaret Goetz, *Soprano*.
- Miss Cora Griffing, *Accompanist*.
- Mrs. Ella L. Krum, *Soprano*.
- Mrs. Clara von Klense, *Accompanist*.
- Miss Clara Krause, *Pianist*.
- Mr. William P. Lovett, *Bass*.
- Miss Fannie Losey, *Violinist*.
- Mrs. Rosalie M. Lancaster, *Pianist*.
- Mr. W. S. B. Mathews, *Lecture*.
- Master Gilbert Porter, *Soprano*.
- Mr. Francis Walker, *Baritone*.
- Miss Villa Whitney White, *Soprano*.
- Mr. Clarence Whitehill, *Baritone*.
- Mrs. Samuel H. Wright, *Contralto*.
- Mr. Wardner Williams, *Lecture*.

THE UNIVERSITY CONCERTS.

The following concerts were given during the Winter Quarter by the various musical organizations:

GLEE AND MANDOLIN CLUBS.—First Congregational Church, Rockford, Jan. 1; Oak Park, Jan. 29; Unity Church, Hinsdale; Second Annual Concert, Central Music Hall, Chicago, March 5; Opera House, Brookline, March 12; First Methodist Episcopal Church, Englewood, April 2.

The University Concert, March 19, 1895. The University Chorus assisting.

UNIVERSITY VESPERS.

A University vesper service was held Sunday afternoon, January 6, 1895. The Choir of Union Park Congregational Church assisting:

Mrs. Louis Falk, *Soprano*.
Mrs. E. G. Cowan, *Contralto*.
Mr. Harry C. Cassidy, *Tenor*.
Mr. John R. Ortengren, *Bass*.
Mr. Louis Falk, *Director and Organist*.

MUSICAL LECTURES AND RECITALS.

Musical Lectures and Recitals were given at the *Theatre of the Kent Chemical Laboratory*, Wednesday afternoons, January 9, January 16, January 23, January 30, February 6, February 13, February 20, February 27, March 6, March 13.

THE UNIVERSITY HOUSES.

GRADUATE HALL.

Organization.—Head of House, CHARLES F. KENT; Counselor, Head Professor A. W. Small; Patroness, Mrs. C. R. Crane; Secretary, O. J. Thatcher; Treasurer, W. Hill; House Committee, the above *ex officio*, with H. B. Learned, P. Rand, F. W. Sanders; Membership Committee, O. Dahl, A. E. McKinley, O. L. Triggs; Social Committee, C. T. Conger, H. R. Dougherty, P. Rand, F. W. Shipley, V. P. Squires.

Members.—Chamberlin, J. C.; Coffin, F. F.; Conger, C. T.; Dahl, O.; Dibell, C. D.; Dougherty, H. R.; Dougherty, R. L.; Hubbard, H. D.; Hussey, G. B.; Johnson, R. H.; Kent, C. F.; Learned, H. B.; McKinley, A. E.; Rand, P.; Sanders, F. W.; Sass, L.; Shipley, F. W.; Squires, V. P.; Thatcher, O. J.; Triggs, O. L.

Guests.—Closson, C. C.; Crewdron, C. N.; Deffenbaugh, J. W.; Goodman, C.; Mandel, E. F.; Rubel, M.; Sherman, C. C.; Shreve, R. O.; Sincere, V. W.; Soier, M. C.

Chief Events.—On the evening of Feb. 11 the first annual reception was given by the Patroness, Mrs. C. R. Crane, and the members of Graduate House. The studies on the four floors were thrown open and about 250 guests from the University and city entertained.

MIDDLE DIVINITY HOUSE.

Organization.—The Middle Divinity House was organized December 13, 1894. The officers are: Head of House, C. E. WOODRUFF; Counselor, Head Professor E. D. Burton; House Committee, Messrs. A. R. Wyant, T. A. Gill, M. A. Summers; Secretary, H. E. Purinton; Treasurer, G. A. Bale.

Members.—Anderson, T. U.; Anderson, O. L.; Bale, G. A.; Bass, L. D.; Blake, J.; Borden, E. H.; Boyer, H. K.; Braam, J. W.; Briggs, D. J.; Bunyard, R. L.; Case, F. A.; Dent, J. C.; Farr, F. K.; Georges, Mooshie; Gill, T. A.; Gurney, J. F.; Haigazian, A.; Hatch, E. E.; Hughes, J. U.; Jamison, D. L.; Johnson, E. B.; Jones, A. C.; Jones, J. W.; Matzinger, P. F.; McKinney, E. R.; Meigs, R. V.; Myhrmann, D. V.; Peterson, W. A.; Purinton, H. E.; Rapp, J. J.; Rhapsstock, F. C.; Rocén, Johan; Robinson, C. W.; Rogers, P. S.; Sanders, J. F.; Schlamann, E. A.; Schlosser, T. F.; Sheafor, G. W.; Smith, C. H.; Spickler, H. M.; Spooner, W. S.; Street, H. H.; Stucker, E. S.; Summers, M. A.; Vreeland, C. F.; Webster, J. L.; West, J. S.; Witt, S.; Woodruff, C. E.; Yousephoff, Ph. J.

SOUTH DIVINITY HOUSE.

Organization.—South Divinity House was organized December 12, 1894. The officers are: Head of House, ELIPHALET A. READ; Counselor, Dean Hulbert; Secretary, W. C. Chalmers; Treasurer, Stephen Stark; House Committee, the above *ex-officio*, with R. B. Davidson, J. A. Herrick, C. H. Murray, A. A. Ewing.

Members.—Aitchison, J. Y.; Allen, Charles W.; Achley, J. C.; Braker, George, Jr.; Case, C. D.; Criswell, J. M.; Cressey, F. G.; Chalmers, W. C.; Crawford, J. T.; Davidson, R. B.; Eaton, W. H.; Ewing, Addison A.; Fisk, Henry A.; Goodman, A. E.; Herrick, J. A.; Hobbs, R. W.; Hurley, H. H.; Hendrick, H. E.; Jackson, F. C.; Jones, H. E.; Kingsley, F. W.; Kjellin, John A.; Lake, E. M.; Lisk, C. Wayland; Lemon, C. A.; Murray, C. H.; Patrick, B. R.; Read,

Eliphalet A.; Stark, Stephen; Shoemaker, W. R.; Smith, A. S.; Justin, Paul; Wilkin, W. A.; Walker, D. A.; Young, C. A.

SNELL HOUSE.

Organization.—Head of House, R. M. LOVETT; Vice Head, W. O. Wilson; Counselor, Head Professor H. P. Judson; Secretary-Treasurer, John Lamay; House Committee, Waldo Breeden, J. E. Raycroft, W. O. Wilson, K. G. Smith.

Members.—Members of the House in residence during the Winter Quarter were: Dickerson, S. C.; Breeden, W.; Sperans, J.; Raycroft, J. E.; Nichols, F. D.; Tooker, R. N.; Lovett, R. M.; Leiser, J.; Moesser, S. C.; Hulshart, John; Hering, F. E.; Lamay, J.; Barrett, C. R.; Wieland, O. E.; Shallies, G. W.; Rullkoetter, Wm.; Schnelle, F. O.; Peterson, H. A.; Wilson, W. O.; Abells, H. A.; Linn, J. W.; Roby, C. F.; Smith, K. G.; Tanaka, K.; Wiley, J. D.; Williams, J. W.; Macomber, C. C.; Fair, M. N.; McIntyre, M. D.; Snite, F. J.; Hershberger, W.; Hall, J. S.; Grant, F.; Freeman, J. E.; Burkhalter, R. P.; Lackner, E. C.; Walker, C. B.; Sawyer, G. H.; Abernethy, H. E.; Bachellé, C. V. Total, 40.

Guests.—Guests in residence during the Winter Quarter were: Loeb, L.; Jaffa, M.; Van Osdel, E. B.; Davis, G. M.; Pomeroy, G. S.; Brookinger, L. W. Total, 6.

Total residents: members and guests, 46.

KELLY HOUSE.

Organization.—Head of House, Miss MARION TALBOT; Counselor, Head Professor J. Laurence Laughlin; House Committee, Misses Hubbard, McClintock, Butler, Kennedy, and Harris; Secretary, Miss Cary.

Members (resident).—Misses Barnard, E. Butler, Cary, Fitzgerald, Goldsmith, Harris, Hubbard, Kane, Keen, Kennedy, McClintock, Messick, Payne, Perkins, Spray, Stanton, Talbot, Wright.

Non-Resident Members.—Miss Demia Butler, Mrs. Clark, Misses Dirks, Diver, Ely, Johann, Lathe, Mac-

Dougall, A. McWilliams, B. McWilliams, Pellett, Pettigrew, Purcell, Runyon, Mrs. Stagg, Misses Start, Woodward.

Chief Events.—Chief events in the history of the House: Receptions on Jan. 14, Feb. 11, and March 11; private party on Jan. 25.

BEECHER HOUSE.

Organization.—Head of House, KATE S. ANDERSON; House Committee, Misses Crandall, Foster, Maynard, Strawn.

Members.—Misses Agarter, Crandall, Crotty, Gilbert, Klock, Foster, Maynard, Osgood, Gilpatrick, Stanton, Scofield, Wilmarth, Harding, Stone, Winston, Strawn, Parker, Krohn, Evans, Tefft, Kells, Miller, Elsie Miller, Moore, Matz, Grote, Breyfogle, Stiles, Hill, Ida, Root, Mrs. Gray, Mrs. Squires.

Guests.—Misses L. Manning, G. Manning, Prosser.

Events.—Two House meetings have been held; two Monday receptions have been given.

NANCY FOSTER HOUSE.

Organization.—Head of House, Miss MYRA REYNOLDS; Assistant, Miss Emily Reynolds; Counselor, Associate Professor W. D. McClintock; House Committee, Agnes Loesch, Jessie Davies, Mary Marot, Mary Davenport; Entertainment Committee, Helen Tunnicliff, Myra Bean, Eva Graves; Secretary and Treasurer, Emily Reynolds.

Members.—Misses Bartlett, Bean, Blaine, Bull, Capen, Candee, Cook, Daniels, Dumke, Daugherty, Davis, Davenport, Grace Freeman, Marilla Freeman, Goldthwaite, Eva Graves, Laura Graves, Hopkins, Jones, Kirkwood, Love, Loesch, Marot, Monzan, Nelson Pratt, Myra Reynolds, Emily Reynolds, Runyon, Sherwin, Sealey, Schwarz, Skillin, Helen Tunnicliff, Wood, Weatherlow.

Guests.—Mrs. Anderson, Misses Bingham, Currier, O'Brien, Starr.

Chief Events.—Three Monday receptions; one private party.

REGISTRAR'S CASH STATEMENT.

FOR THE WINTER QUARTER ENDING MARCH 31, 1895.

RECEIPTS.		DISBURSEMENTS.	
Women's Commons	\$ 3,749 00	Treasurer of the University, -	\$41,875 30
Examination fees	360 00		
Matriculation fees	375 00		
Tuition fees	16,996 17		
Library fees	1,814 00		
Incidental fees	1,735 00		
Room Rent, Foster Hall	\$ 1,189 50		
" " Kelly Hall	947 00		
" " Beecher Hall	1,229 00		
" " Snell Hall	669 00		
" " Graduate Hall	954 00		
	4,988 50		
Furniture Tax, Foster Hall	\$ 65 00		
" " Kelly Hall	45 00		
" " Beecher Hall	58 00		
" " Snell Hall	56 00		
" " Graduate Hall	58 00		
	282 00		
Divinity Hall, heat, light, and care	623 25		
Morgan Park, heat, light, and care	180 00		
University Extension	9,201 08		
Library fines	39 10		
Chemical Laboratory fees	1,022 29		
Biological "	215 66		
Special Registration "	60 00		
Diplomas	205 00		
Affiliated School work	29 25		
Total	\$41,875 30	Total	\$41,875 30

THE EMPLOYMENT BUREAU.

REGISTRATION.				OCCUPATIONS AND EARNINGS.	
SCHOOL.	NUMBER REGISTERED.	RECEIVED WORK.	RECEIVED NO WORK.	OCCUPATION.	TOTAL AM'T EARNED.
Graduate, -	32	25	7	Tutoring, - - -	\$358 00
Colleges, -	29	26	3	Public School Teaching -	1,468 00
Divinity, -	7	6	1	Commons Work - - -	72 00
Special, -	16	11	5	Clerking - - -	75 50
	84	68	16	Stenography and Typewriting	76 50
				Hotel and Housework -	205 40
				Newspaper Correspondence,	120 00
				Canvassing - - -	35 00
				Paper Carrying - - -	90 00
				Total - - -	\$2,498 40

MISCELLANEOUS.

Average amount earned in each situation, - \$35.12

Of the 16 not receiving work:

6 registered for some special teaching only,

7 registered but did not enter the University.

NOTE.—Work done upon Campus and in Buildings in payment of tuition fees is not included. Board is estimated at \$4 per week

THE STUDENTS' FUND SOCIETY.

WINTER QUARTER, 1895.

Report of Committee of Students' Fund Society.

Applications received:

(a) Filed as per last report	-	34
(b) New Applications:		
1) Graduate Schools	- - -	10
2) Academic Colleges	- - -	10
Total	- - -	54

Loans recommended:

(a) Graduate Schools	- - -	7
(b) Academic Colleges	- - -	7
Applications withdrawn	- - -	1
Applications rejected	- - -	5
Total	- - -	20

The University Extension Division.

NATHANIEL BUTLER, *Director.*

THE LECTURE-STUDY DEPARTMENT.

FRANCIS W. SHEPARDSON, *Secretary.*

COURSES OFFERED DURING THE WINTER AND SPRING QUARTERS.

I. PHILOSOPHY.

ASSOCIATE PROFESSOR TUFTS.

Movements of Thought in the Nineteenth Century.

II. POLITICAL ECONOMY.

MR. BROOKS.

Questions of Charity and the Unemployed.

Modern Socialism at Work.

The Great Attempts to Deal with the Labor Question.

III. POLITICAL SCIENCE.

PROFESSOR JUDSON.

Will offer no courses in 1895.

MR. CONGER.

The Physical, Historical, and Political Geography of Europe.

The Great Commercial Cities of Antiquity.

MR. OGDEN.

Early English Institutions.

Genesis of Some American Institutions.

Virginia Statesmen of the Revolution.

MR. MILLER.

Studies in American Constitutional Development.

IV. HISTORY.

PROFESSOR TERRY.

An Introduction to the Study of History.

The Ethnic Foundation of Modern Civilization.

Political Foundation of Modern Civilization.

Baron and King—the Evolution of a Typical European Monarchy.

PROFESSOR GORDY.

The History of Political Parties in the United States.

Representative American Statesmen.

ASSOCIATE PROFESSOR THATCHER.

Will offer no courses in 1895.

ASSISTANT PROFESSOR GROSE.

The Political Development of the European Nations since 1792.

The Founding of the German Empire of Today.

Studies in the History of Europe from the French Revolution to the Present Time.

Character Studies in Nineteenth Century History.

DR. SHEPARDSON.

Social Life in the American Colonies.

American Statesmen and Great Historic Movements.

MR. WEBSTER.

The Making and Makers of Our Republic.

Six American Statesmen.

MR. WISHART.

Monks and Monasteries.

VI. SOCIOLOGY AND ANTHROPOLOGY.

HEAD PROFESSOR SMALL.

First Steps in Sociology.

Die Grundzüge der Sociologie.

ASSOCIATE PROFESSOR BEMIS.

Questions of Labor and Social Reform.

Questions of Monopoly and Taxation.

ASSOCIATE PROFESSOR HENDERSON.

Charities and Corrections.

The Family—a Sociological Study.

ASSISTANT PROFESSOR STARR.

Native Races of North America.

Early Man in Europe.

Mexico and Mexicans, Past, Present, and Future.

ASSISTANT PROFESSOR ZEUBLIN.

The Elements of Sociology.
Social Reform in Fiction.

DR. GOULD.

Six Live Social Problems of Cities.
Twenty Years of Social-Economic Legislation in Europe.
Industrial Labor in Europe and America.

MR. GENTLES.

First Aid to the Injured.

MR. FULOOMER.

Some Leaders in Sociology.
Utopias.

MR. RAYMOND.

Social Aspects of the Labor Movement.
A Group of Social Philosophers.

DR. MAX WEST.

The New Philanthropy.
Social Aspects of Taxation.

DR. GERALD WEST.

Lectures on Man.
The Aryans.

MR. HOWERTH.

Sociology.
Some Social Experiments.
Social Evils and Proposed Remedies.
Six Great Theories and Their Social Significance.

VII. COMPARATIVE RELIGION.

MR. BUCKLEY.

Shinto, the Ethnic Faith of Japan.
The Science of Religion.

VIII. THE SEMITIC LANGUAGES AND LITERATURES.

MR. WALKER.

The History and Institutions of Islam.

XIII. ROMANCE LANGUAGES AND LITERATURES.

ASSISTANT PROFESSOR BERGERON.

French Literature.
Littérature Française.

MR. HOWLAND.

The Italian Poets.
Six Italian Prose Writers.
Italian Dramatists.

MR. DE POYEN-BELLISLE.

L'Evolution du Théâtre en France.

XV. THE ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MOULTON.

Studies in Biblical Literature.
The Tragedies of Shakespeare.
Ancient Tragedy for English Audiences.
Stories as a Mode of Thinking.
Spenser's Legend of Temperance.
Literary Criticism and Theory of Interpretation.
Shakespeare's "Tempest," with Companion Studies.

ASSOCIATE PROFESSOR BUTLER.

Preliminary Course in English Literature.
Some Studies in American Literature.

ASSOCIATE PROFESSOR MCCLINTOCK.

Introduction to the Study of Literature.
English Romantic Poets from 1780 to 1830.
Studies in Fiction.

ASSISTANT PROFESSOR TOLMAN.

Studies in English Poetry.

ASSISTANT PROFESSOR CROW.

Literature of the Age of Elizabeth
George Meredith.

MR. CLARK.

Poetry as a Fine Art.

DR. RUBINKAM.

Religious Ideas in Tennyson and Browning.

MISS CHAPIN.

General Survey of American Literature.
Masterpieces of English Poetry.

MR. JONES.

Prophets of Modern Literature.
Masterpieces of George Eliot.
Social Studies in Henrik Ibsen.

MR. FISKE.

Five Plays of Shakespeare.

XVI. BIBLICAL LITERATURE IN ENGLISH.

HEAD PROFESSOR HARPER.

The Stories of Genesis.

PROFESSOR MOULTON.

Studies in Biblical Literature.

PROFESSOR HIRSCH.

Religion in the Talmud.

The Jewish Sects.

Biblical Literature.

History of Judaism.

ASSOCIATE PROFESSOR MATHEWS.

The History of New Testament Times in Palestine.

ASSOCIATE PROFESSOR PRICE.

What the Monuments tell us relative to the Old Testament.

The Forgotten Empire and the Old Testament.

DR. KENT.

Hebrew Poetry.

Hebrew Prophecy studied in the Light of the Prophets of the Assyrian Period.

Messianic Prophecy.

The Messianic Predictions of the Hebrew Prophets.

DR. RUBINKAM.

Studies in Old Testament Literature.

Six Studies in the Hebrew Psalter.

MR. VOTAW.

Some Aspects of the Life of Christ.

The Teaching of Jesus.

Jewish Literature of the New Testament Times.

Christian Literature of the Second Century.

XVIII. ASTRONOMY.

DR. SEE.

General Astronomy.

XIX. PHYSICS.

ASSISTANT PROFESSOR STRATTON.

Sound.

ASSISTANT PROFESSOR CORNISH.

Hydrostatics and Pneumatics.

MR. BELDING.

Elements of Electricity and Magnetism.

XX. CHEMISTRY.

MR. ALLEN.

The Chemistry of Foods.

XXI. GEOLOGY.

PROFESSOR SALISBURY.

Will offer no courses in 1895.

XXII. BIOLOGY.

MR. COLE.

Plain Talks on the Bacteria.

Animal Studies.

MICROSCOPY.

MR. MORSE.

The Microscope and its Uses.

MUSIC.

DR. WILLIAMS.

Music.

ART.

MR. FRENCH.

Painting and Sculpture.

MR. TAFT.

Ancient Sculpture.

Contemporary French Art.

Contemporaneous Art.

MR. SCHREIBER.

History of Art.

Child Study.

SCANDINAVIAN LITERATURE

DR. DAHL.

Social Studies in Björnson and Ibsen.

Norwegian Literature.

Swedish and Danish Literature.

RUSSIAN LITERATURE.

DR. HOURWICH.

Studies in Russian Literature.

LIST OF CENTRES, WITH ADDRESS OF SECRETARIES.

CENTRES IN CHICAGO.

- All Souls—Mrs. E. T. Leonard, 6600 Ellis av.
 Association—A. D. McKay, 342 W. Monroe st.
 Centenary—Mr. A. E. Trowbridge, 97 Laffin st.
 Church of the Redeemer—Hon. S. N. Brooks, 271 Warren av.
 Columbia School of Oratory—Mrs. Ida M. Riley, 24 E. Adams st.
 Cook County Normal School—Col. Francis W. Parker, Englewood.
 Drexel—Mr. E. C. Page, 56 Wabash av.
 Englewood—Mrs. Kate L. Dakin, 6907 Yale av.
 Garfield Park—Miss Adelia E. Robinson, 1527 Carroll av.
 Hull-House—Miss Jane Addams, 335 S. Halsted st.
 Irving Park—Mrs. Ernest Pitcher.
 Kenwood—Mr. Charles B. Van Kirk, 4754 Greenwood av.
 Ladies' Benevolent Society (Union Park Church)—Mrs. Charles Warrington Earle, 535 Washington boul.
 Lake View—Rev. T. G. Milsted, 109 Park av., Lake View.
 Leavitt Street.—Miss Nellie Dunton, 840 Adams st.
 Memorial—Mrs. L. A. Crandall, 4443 Berkley av.
 Newberry Library—Mr. George Leland Hunter, Hotel Granada, Ohio and Rush sts.
 Oakland—Mr. J. A. Burhans, 204 Oakwood Boul.
 People's Institute—Rev. W. G. Clarke, 54 Campbell Park.
 Plymouth—Dr. C. E. Boynton, Hotel Everett, 3617-23 Lake av.
 Ravenswood—Mr. M. L. Roberts.
 St. James—Miss Minnie R. Cowan, 2975 Wabash av.
 St. Paul's—Miss Sarah Hanson, Cottage Grove av. and 31st st.
 Union Park—Dr. R. N. Foster, 553 Jackson Boul.
 University—Mr. A. A. Ewing, The University of Chicago.
 University Settlement—Miss Mary McDowell, 4655 Grose av.
 Wicker Park—Miss A. A. Deering, 23 Ewing Place.
 Willard Hall, The Temple.
 Windsor Park—Mr. Frank G. DeGolyer, 105, 75th st.
 Woodlawn—Rev. W. R. Wood, 6231 Sheridan av.

CENTRES OUTSIDE OF CHICAGO.

- Allegan (Mich.)—Miss Frances H. Wilkes.
 Ashland (Wis.)—Prin. F. H. Miller.
 Aurora (Ill.)—Mrs. Pierce Burton, 83 West av.
 Austin (Ill.)—Mr. S. R. Smith.
 Benton Harbor (Mich.)—Miss Lucy Rice.
 Burlington (Iowa)—Mr. E. M. Nealey.
 Calumet (Mich.)—Miss Emma Wesley.
 Canton (Ill.)—Supt. C. M. Bardwell.
 Cincinnati (Ohio)—Mrs. Edward M. Brown, Ridgeway av., Avondale.
 Clinton (Ia.)—Supt. C. E. Schlabach.
 Constantine (Mich.)—Miss Rose M. Cranston.
 Danville (Ill.)—Mrs. J. W. Moore.
 Davenport (Ia.)—Miss Jennie Cleaves.
 Detroit (Mich.)—Mr. W. C. Sprague, Telephone Bldg.
 Dowagiac (Mich.)—Supt. S. B. Laird.
 Downer's Grove (Ill.)—Miss Gertrude Gibbs.
 Dubuque (Ia.)—Miss E. E. Gehrig, 1036 White st.
 Earlville (Ill.)—Mrs. James McCredie.
 Evanston (Ill.)—Mrs. E. B. Harbert.
 Elgin (Ill.)—Miss Hattie B. Kneeland.
 Fayette (Ia.)—Mrs. H. Sweet.
 Flint (Mich.)—Miss Emily E. West.
 Freeport (Ill.)—Mr. J. F. Shaible.
 Galesburg (Ill.)—Pres. John H. Finley.
 Geneseo (Ill.)—Mrs. W. H. Foster.
 Geneva (Ill.)—Mr. H. H. Robinson.
 Glencoe (Ill.)—Mrs. Emma Dupee Coy.
 Grand Haven (Mich.)—Mr. George A. Farr.
 Hannibal (Mo.)—Mr. Robert Elliott.
 Hinsdale (Ill.)—Miss Georgia Blodgett.
 Indianapolis (Ind.)—Plymouth—Miss Amelia W. Platter, The Wyandot.
 Indianapolis (Ind.) Public Schools—Supt. David K. Goss.
 Ironwood (Mich.)—Miss Sarah Louise Magone.
 Ishpeming (Mich.)—Supt. O. R. Hardy.
 Joliet (Ill.)—Prin. W. J. Greenwood.
 Kalamazoo (Mich.)—Mr. S. O. Hartwell.
 La Fayette (Ind.)—Miss Helen Hand.
 La Grange (Ind.)—Mr. Charles H. Taylor.
 La Moille (Ill.)—Mr. A. G. Gates.
 La Porte (Ind.)—Mr. F. M. Plummer.
 Lebanon (Ind.)—Miss Mary Johnson.
 Lincoln (Ill.)—Rev. J. S. Wrightnour.
 Ludington (Mich.)—Mr. M. J. Withington.
 Marquette (Mich.)—Supt. A. E. Miller.
 Marshall (Mich.)—Miss M. Louise Obenauer.
 Mason City (Ia.)—Miss Anna P. Adams.
 Mendota (Ill.)—Prin. S. E. Beede.
 Minneapolis (Minn.)—Rev. W. P. McKee, 522, 12th av. S. E.
 Moline (Ill.)—Mrs. Margaret Finley Barnard.
 Monmouth (Ill.)—Miss Mollie Wallace.
 Mt. Carroll (Ill.)—Mrs. F. S. Smith.
 Muskegon (Mich.)—Mrs. M. A. Keating.

Negaunee (Mich.)—Supt. F. D. Davis.
Niles (Mich.)—Supt. J. D. Schiller.
Oak Park (Ill.)—Miss Virginia R. Dodge.
Osage, (Ia.)—Rev. W. W. Gist.
Ottawa (Ill.)—Mr. J. O. Leslie.
Owosso (Mich.)—Mr. S. E. Parkill.
Palatine (Ill.)—Miss Vashti Lambert.
Pekin (Ill.)—Miss S. Grace Rider.
Peoria (Ill.)—Miss Caroline B. Bourland.
Plainwell (Mich.)—Mrs. L. Arnold.
Plymouth (Ind.)—Mr. Jacob Martin.
Polo (Ill.)—Mr. C. D. Reed.
Princeton (Ill.)—Mr. R. A. Metcalf.
Quincy (Ill.)—Mr. E. A. Clarke.
Riverside (Ill.)—Mr. A. W. Barnum.
Rochelle (Ill.)—Mr. C. F. Philbrook.
Rockford (Ill.)—Mrs. Anna C. Vincent.
Rock Island (Ill.)—Prin. George L. Leslie.
Rogers Park (Ill.)—Mr. Frank Brown.

Round Table (Kankakee, Ill.)—Mr. Arthur Swannell.
Saginaw (Mich.)—Prin. W. W. Warner, 414 S. Jefferson av. E., S.
St. Charles (Ill.)—Prin. H. B. Wilkinson.
St. Joseph (Mich.)—Supt. G. W. Loomis.
San Francisco (Cal.)—Rev. L. W. Sprague, 1630 Market st.
South Bend (Ind.)—Mrs. E. G. Kettring.
Springfield (Ill.)—Supt. J. H. Collins.
Sterling (Ill.)—Mr. Curtis Bates.
Streator (Ill.)—Mrs. Bessie DeWitt Beahan.
Terre Haute (Ind.) State Normal School—Mr. A. R. Charman.
Tremont (Ill.)—Dr. J. M. Cody.
Washington (Ia.)—Rev. Arthur Fowler.
Waterloo (Ia.)—Miss Lydia Hinman.
Waukegan (Ill.)—Mrs. Metta Smith Starin.
Winona (Minn.)—Mr. Fred S. Bell.

DISTRICT ASSOCIATIONS.

Cook County Association—Mr. George Leland Hunter,
 Hotel Granada, Ohio and Rush sts.

Northern Illinois Association—Miss Flora Guiteau,
 Freeport, Ill.

STATEMENT OF THE WORK OF THE QUARTER.

CENTRE.	STATE.	LECTURER.	SUBJECT.	No. of Courses at Centre.	Date of Beginning.	Average Attendance at Lecture.	Average Attendance at Class.
Ashland.....	Wis.	William C. Webster.	Making and Makers of Our Republic.....	1	Mch. 11, '96	†	
Aurora*	Ill.	Charles R. Henderson	Charities and Corrections.....	2	Nov. 9, '94	288	
Benton Harbor*	Mich.	Charles Zeublin.	English Fiction and Social Reform.....	1	Oct. 15, '94	180	150
Calumet.....	Mich.	William C. Webster.	Making and Makers of Our Republic.....	1	Mch. 6, '96		
Canton.....	Ill.	Frederick Starr.	Native Races of North America.....	3	Feb. 8, '96		
Chicago (All Souls').....	Ill.	Richard G. Moulton.	Literary Study of the Bible.....	8	Jan. 6, '96	84	
Chicago (Columbia Sch'l of Oratory).....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	1	Jan. 22, '96		
Chicago (Columbia Sch'l of Oratory).....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	2	Mch. 13, '96		
Chicago (Englewood).....	Ill.	Albion W. Small.	Sociology.....	4	Jan. 13, '96		
Chicago (Garfield Park).....	Ill.	W. M. R. French.	Painting and Sculpture.....	2	Mch. 12, '96		
Chicago (Hull House).....	Ill.	J. G. Brooks.	Modern Socialism at Work.....	4	Jan. 8, '96	58	58
Chicago (Lake View).....	Ill.	Charles Zeublin.	Social Reform in Fiction.....	3	Feb. 10, '96		
Chicago (Leavitt St.).....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	1	Jan. 7, '96	544	408
Chicago (Newberry Lib'y).....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	16	Feb. 15, '96		
Chicago (Peoples Inst'l).....	Ill.	Nathaniel Butler.	Studies in American Literature.....	4	Jan. 17, '96	65	65
Chicago (St. James').....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	5	Jan. 3, '96	328	147
Chicago (University).....	Ill.	Richard G. Moulton.	Literary Study of the Bible.....	7	Jan. 13, '96		
Chicago (University).....	Ill.	Richard G. Moulton.	Literary Study of the Bible.....	8	Feb. 24, '96		
Chicago (Wicker Park).....	Ill.	Olaus Dahl.	Social Studies in Björnson and Ibsen.....	6	Jan. 15, '96	28	22
Clinton*	Iowa.	Charles Zeublin.	English Fiction and Social Reform.....	1	Nov. 3, '94	300	300
Clinton.....	Iowa.	Nathaniel Butler.	Studies in American Literature.....	2	Jan. 28, '96		
Danville.....	Ill.	S. H. Clark.	Poetry as a Fine Art.....	2	Jan. 8, '96	161	161
Davenport.....	Iowa.	J. G. Brooks.	Great Attempts to Deal with the Soc. Quest.	1	Jan. 5, '96		
Dubuque.....	Iowa.	Wm. D. McClintock.	Studies in Fiction.....	3	Jan. 7, '96		
Earville*	Ill.	Jerome H. Raymond.	Social Aspects of the Labor Movement.....	1	Dec. 8, '94	60	80
Evanston.....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	1	Oct. 3, '94		
Flint*	Mich.	F. W. Shepardonson.	Amer. Statesmen & Great Hist. Movements	3	Oct. 3, '94	250	250
Galesburg.....	Ill.	W. M. R. French.	Painting and Sculpture.....	6	Feb. 16, '96	66	66
Glencoe.....	Ill.	A. W. Small.	Sociology.....	3	Jan. 4, '96		
Grand Haven.....	Mich.	William C. Webster.	Making and Makers of Our Republic.....	2	Jan. 22, '96		
Hannibal.....	Mo.	A. J. Chapin.	General Survey of American Literature.....	2	Jan. 18, '96		
Hinsdale.....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	2	Jan. 2, '96		
Indianapolis.....	Ind.						
(Plymouth Church).....		Charles Zeublin.	A Century of Social Reform.....	2	Jan. 10, '96		
(Plymouth Church).....		Charles Zeublin.	A Century of Social Reform.....	2	Feb. 21, '96		
(Manual Training Sch'l) (Public School).....		Charles Zeublin.	Social Reform in Fiction.....	1	Feb. 21, '96		
Ironwood.....	Mich.	Rollin D. Salisbury.	Landscape Geology.....	1	Feb. 18, '96		
Ishpeming.....	Mich.	William C. Webster.	Making and Makers of Our Republic.....	1	Mch. 12, '96		
Joliet.....	Ill.	William C. Webster.	Making and Makers of Our Republic.....	1	Mch. 7, '96		
Kankakee.....	Ill.	Nathaniel Butler.	Studies in American Literature.....	6	Mch. 9, '96	110	110
LaMoille*	Ill.	Nathaniel Butler.	Studies in American Literature.....	4	Feb. 14, '96	125	100
Lebanon.....	Ind.	Jerome H. Raymond.	Social Aspects of the Labor Movement.....	3	Nov. 22, '94	65	25
Ludington.....	Mich.	Nathaniel Butler.	Studies in American Literature.....	1	Nov. 22, '94	130	125
Marquette.....	Mich.	William C. Webster.	Making and Makers of Our Republic.....	1	Feb. 1, '96		
Mendota*	Ill.	William C. Webster.	Making and Makers of Our Republic.....	1	Mch. 9, '96		
Minneapolis.....	Minn.	Jerome H. Raymond.	Social Aspects of the Labor Movement.....	1	Dec. 7, '94	200	125
(Olivet Baptist Church) (Hennepin Avenue).....		Richard G. Moulton.	Literary Study of the Bible.....	1	Feb. 18, '96	168	172
Moline.....	Ill.	Richard G. Moulton.	Literary Study of the Bible.....	1	Feb. 18, '96	390	348
Muskegon*	Mich.	F. W. Shepardonson.	Social Life in the American Colonies.....	2	Jan. 7, '96	190	140
Negaunee.....	Mich.	Charles Zeublin.	English Fiction and Social Reform.....	1	Oct. 16, '94	168	168
Oak Park.....	Ill.	William C. Webster.	Making and Makers of Our Republic.....	1	Mch. 8, '96		
Ottawa.....	Ill.	Richard G. Moulton.	Ancient Tragedy for English Audiences.....	5	Jan. 3, '96		
Owosso*	Ill.	J. G. Brooks.	Great Attempts to Deal with the Soc. Quest.	2	Jan. 3, '96	145	35
Pekin.....	Ill.	Richard G. Moulton.	Studies in Shakespeare's Tragedies.....	3	Feb. 14, '96		
Polo*	Mich.	F. W. Shepardonson.	Amer. Statesmen & Great Hist. Movements	4	Oct. 29, '94	175	175
Rockford.....	Ill.	Nathaniel Butler.	Studies in American Literature.....	1	Jan. 11, '96	130	130
Rock Island*	Ill.	Jerome H. Raymond.	Social Aspects of the Labor Movement.....	1	Dec. 11, '94	125	125
Saginaw*	Mich.	R. D. Salisbury.	Landscape Geology.....	5	Jan. 15, '96	252	168
Saginaw.....	Mich.	Charles Zeublin.	English Fiction and Social Reform.....	1	Oct. 20, '94	175	175
Saginaw.....	Mich.	F. W. Shepardonson.	Amer. Statesmen & Great Hist. Movements	2	Oct. 16, '94	210	210
St. Joseph*	Mich.	Charles Zeublin.	Social Reform in Fiction.....	3	Jan. 29, '96		
San Francisco.....	Cal.	Charles Zeublin.	English Fiction and Social Reform.....	1	Oct. 17, '94	250	250
South Bend.....	Ind.	Jenkin Lloyd Jones.	Prophets of Modern Literature.....	1	Mch. 12, '96	191	
Springfield.....	Ill.	Nathaniel Butler.	Studies in American Literature.....	3	Jan. 8, '96	125	100
Streator.....	Ill.	F. W. Shepardonson.	Social Life in the American Colonies.....	5	Feb. 7, '96	75	50
Winona.....	Minn.	J. G. Brooks.	Modern Socialism at Work.....	2	Jan. 4, '96	151	35
		Richard G. Moulton.	Stories as a Mode of Thinking.....	1	Feb. 19, '96		

* Continued from Autumn Quarter.

† Blank spaces indicate that no report has been received from the centre.

SUMMARIES.

Number of Centres active during the Winter Quarter.....	57
Number of courses in progress during the Winter Quarter.....	66
Number of courses continued from the Autumn Quarter.....	14
Number of courses given wholly within the Winter Quarter.....	52
Number of Centres giving 52 Courses during the Winter Quarter.....	44
Number of lecturers engaged.....	17

NUMBER OF COURSES BY STATES.

California.....	1
Illinois—	
In Chicago.....	14
Outside of Chicago.....	22
Indiana.....	6
Iowa.....	4
Michigan.....	14
Minnesota.....	3
Missouri.....	1
Wisconsin.....	1
Total.....	66

NUMBER OF COURSES BY DEPARTMENTS.

English Language and Literature.....	21
Sociology and Anthropology.....	18
History.....	13
Biblical Literature in English.....	5
Political Economy.....	4
Geology.....	2
Art.....	2
Scandinavian Languages and Literatures.....	1
Total.....	66

ATTENDANCE—Estimated.

Average attendance at each lecture.....	187
Average attendance at each review-class.....	157
Total attendance (66 courses).....	12,343
Total attendance (52 courses).....	9,724*

* Attendance at lectures given wholly within the Winter Quarter.

THE CLASS-STUDY DEPARTMENT.

JEROME H. RAYMOND, *Secretary.*

WINTER QUARTER, 1895.

LOCATION.	SUBJECT.	INSTRUCTOR.	ENROLLMENT.
Burr School.....	Civil Government in the United States.....	Addison Blakely.....	8
Burr School.....	The English Romantic Poets.....	William E. Henry.....	6
Chicago Athenæum.....	Historical Development of Roman Satire.....	Frank J. Miller.....	9
Chicago Athenæum.....	The Evolution of the North Amer. Continent.....	Rollin D. Salisbury.....	30
Chicago Athenæum.....	Advanced German.....	Camillo von Klenze.....	5
Chicago Preparatory School.....	Nineteenth Century History.....	James F. Baldwin.....	10
Chicago Preparatory School.....	Advanced French.....	Paul B. de Compigny.....	5
Cobb Lecture Hall.....	Nineteenth Century History.....	James F. Baldwin.....	7
Cobb Lecture Hall.....	Political Economy.....	Robert F. Hoxie.....	6
Cobb Lecture Hall.....	Elementary German.....	George Mulfinger.....	4
Cobb Lecture Hall.....	Cæsar.....	Claire A. Orr.....	5
Cobb Lecture Hall.....	Greek for Beginners.....	William C. Sayrs.....	4
Cook County Normal School.....	Geographic Geology.....	Rollin D. Salisbury.....	275
Dearborn Seminary.....	Plant Evolution.....	Henry L. Clarke.....	5
Dexter Building.....	English Constitutional History.....	Howard N. Ogden.....	2
First Cumberland Presbyterian Church.....	Political Economy.....	Ira W. Howerth.....	10
Fourth Presbyterian Church.....	Outlines of Hebrew History.....	Charles F. Kent.....	75
Halsted Street, No. 1013.....	Outlines of Hebrew History.....	Charles F. Kent.....	25
Harvard School.....	Cæsar.....	Claire A. Orr.....	2
Normal, Ill.....	Electricity and Magnetism.....	Newland F. Smith.....	8
Self Educational Club.....	Outlines of Hebrew History.....	Charles F. Kent.....	60
South Evanston.....	Civil Government in the United States.....	Newman Miller.....	8
University Congregational Church.....	Elementary French.....	Paul B. de Compigny.....	6
Valparaiso, Ind.....	Outlines of Hebrew History.....	Charles F. Kent.....	60
Warren Avenue, 204.....	Political Economy.....	Ira W. Howerth.....	25
Western Union Building.....	Logic.....	George Mead.....	8
Western Union Building.....	Solid Geometry.....	Herbert E. Cobb.....	8
Western Union Building.....	Rhetoric and English Composition.....	Robert M. Lovett.....	3
Western Union Building.....	Cæsar.....	Claire A. Orr.....	5
Western Union Building.....	English History.....	William Rullkoetter.....	4
Total.....			689
Total Number Classes.....			30

SUMMARY OF THE UNIVERSITY EXTENSION CLASSES BY DEPARTMENTS.

DEPARTMENT	NO. CLASSES	ENROLLMENT	DEPARTMENT	NO. CLASSES	ENROLLMENT
Geology.....	2	305	German.....	2	9
Biblical Literature.....	4	220	English.....	2	9
Political Economy.....	3	42	Philosophy.....	1	3
Latin.....	4	27	Mathematics.....	1	3
History.....	3	21	Botany.....	1	5
Political Science.....	3	18	Greek.....	1	4
French.....	2	11	Physics.....	1	2

Average Number per Class..... 23
Total Number Instructors Engaged..... 21

THE CORRESPONDENCE-STUDY DEPARTMENT.

OLIVER J. THATCHER, *Secretary.*

ACADEMY AND ACADEMIC COURSES.

NAME OF COURSE.	INSTRUCTOR AND READER.	NO. OF STUDENTS.	NO. OF RECITA- TION PAPERS DURING QUARTER.
Latin.	Miss Pellett.	22	129
Mathematics.	Asst. Prof. Hoover.	18	74
Pol. Economy.	Mr. Hoxie.	6	25
Rhetoric.	Mr. Lovett.	13	60
Eng. Literature.	Assoc. Prof. McClintock.	13	62
Shakespeare.	"	6	12
Tennyson and Browning.	Mr. Triggs.	9	20
Hist. of the Mid- dle Ages.	Assoc. Prof. Thatcher.	5	34
Hist. of the U. S.	Dr. Shepardson.	6	19
Greek.	Dr. Bronson.	1	20
French.	Mr. Neff.	2	13
German.	Mr. Spillman.	2	
"	Miss Robson	2	1

UNIVERSITY COLLEGES.

NAME OF COURSE.	INSTRUCTOR.	READER.	NO. OF STUDENTS.	NO. OF RECITA- TION PAPERS DUB- ING QUARTER.
Psychology.	Assoc. Prof. Strong.	Mr. Sisson.	6	4
Logic.	Assoc. Prof. Tufts.	Assoc. Prof. Tufts.	1	6
Latin,	Asst. Prof. Miller.	—		
Livy.	"		1	4
Horace.	"		2	62
Latin Comp'sit'n."			4	24
Bib. Lit. in Eng.	—	Mr. Woodruff.	29	44
Semitic Languages.	—	Dr. Crandall.	159	320
Arabic.	Prof. Sanders.	Prof. Sanders.	3	11
N. T. Greek.	—	Mr. Votaw.	44	139
Assyrian.	Mr. Berry.	Mr. Berry.	1	

GRADUATE AND DIVINITY COURSES.

SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS	SUBJECT.	INSTRUCTOR.	NUMBER OF STUDENTS
Philosophy.	Assoc. Prof. Tufts.	3	Mathematics.	Asst. Prof. Hoover.	6
American History.	Dr. Shepardson.	1	Greek.	Prof. Shorey.	1
Social Science.	Assoc. Prof. Henderson.	3	German.	Assoc. Prof. Cutting.	2
Geology.	Head Prof. Chamberlin.	1	Sanskrit.	Assoc. Prof. Buck.	1
Mathematics.	Dr. Boyd.	1	Early English.	Asst. Prof. Blackburn.	2

The University Library and Libraries.

During the Winter Quarter there have been added to the Library of the University a total number of 5683 new books from the following sources:

Books added by purchase, 4901 vols.

Distributed as follows:

General Library, 104 vols.; Philosophy, 355 vols.; Political Economy, 94 vols.; Sociology, 129 vols.; Anthropology, 96 vols.; Comparative Religions, 2 vols.; Semitics, 67 vols.; New Testament, 4 vols.; Greek, 101 vols.; Latin, 76 vols.; Romance, 122 vols.; German, 2039 vols.; English, 359 vols.; Mathematics, 71 vols.; Physics, 13 vols.; Chemistry, 309 vols.; Geology, 160 vols.; Biology, 2 vols.; Zoölogy, 8 vols.; Palæontology, 9 vols.; Botany, 4 vols.; Physiology, 2 vols.; Systematic Theology, 9 vols.; Homiletics, 10 vols.; Church History, 73 vols.; Political Science, 41 vols.; History, 86 vols.; Astronomy, 20 vols.; Classical Archæology, 2 vols.; Latin and Greek, 8 vols.; Morgan Park Academy, 30 vols.; Egyptology, 79 vols.; Anatomy, 1 vol.; Comparative Philology, 415 vols.

Books added by gift, 746 vols.

Distributed as follows:

General Library, 260 vols.; Political Economy, 14 vols.; Comparative Religions, 3 vols.; Geology, 1 vol.; Semitics, 5 vols.; English, 6 vols.; History, 5 vols.; Astronomy, 4 vols.; Anthropology, 8 vols.; Philosophy, 2 vols.; Neurology, 1 vol.; Mathematics, 4 vols.; New Testament, 4 vols.; Political Science, 362 vols.; Classical Archæology, 3 vols.; Sociology, 60 vols.; Latin, 3 vols.

Books added by exchange for University Publications, 36 vols.

Distributed as follows:

Journal of Geology, 2 vols.; Biblical World, 34 vols.
Library Correspondence.

Total number of postoffice letters sent from the Librarian's office, 337 letters; 52 postal cards.

Letters soliciting books for review, exchanges with University Publications and general business, as follows: Foreign, 20; United States, 317; Gift Notices, 746; Fine notices, 218.

Money collected on Library fines for the Quarter, \$45.00.

The University Press Division.

CHARLES W. CHASE, *Director.*

THE PUBLISHING DEPARTMENT.

PUBLICATIONS ISSUED FROM THE UNIVERSITY PRESS.

JANUARY-MARCH, 1895.

A. Periodicals.

THE JOURNAL OF POLITICAL ECONOMY.

Quarterly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 75 cents.

Number issued, 1000; number of subscribers, 307; additions during quarter, 19.

Vol. III., No. 2, March, 1895; pp. 145-250.

Quantity of Money and Prices, 1861-1892, by S. McLean Hardy.—*Relation of Sociology to Economics*, by Albion W. Small.—*Public Ownership of Mineral Lands in the United States*, by George O. Virtue.—*Credit Instruments in Retail Trade*, by David Kinley.—NOTES.—BOOK REVIEWS.

THE JOURNAL OF GEOLOGY.

Eight numbers yearly. 8vo. \$3.00 per volume. \$3.50 for foreign countries. Single numbers, 50 cents.

Number issued, 750; number of subscribers, 355; additions during quarter, 33.

Vol. III., No. 1, January-February, 1895; pp. 1-119.

The Basic Massive Rocks of the Lake Superior Region (IV.), by W. S. Bayley.—*A Petrographical Sketch of Ægina and Methana (II.)*, by Henry S. Washington.—*Lake Basins Created by Wind Erosion*, by G. K. Gilbert.—*On Clinton Conglomerates and Wave Marks in Ohio and Kentucky*, by Aug. F. Foerste.—*Glacial Studies in Greenland (III.)*, by T. C. Chamberlin.—STUDIES FOR STUDENTS: *Agencies which Transport Materials on the Earth's Surface*, Rollin D. Salisbury.—EDITORIALS.—PUBLICATIONS.—NOTES.

Vol. III., No. 2, February-March, 1895; pp. 121-240.

Sedimentary Measurement of Cretaceous Time, by G. K. Gilbert.—*Use of the Aneroid Barometer in Geological Surveying*, by C. W. Rolfe.—*A Petrographical Sketch of Ægina and Methana (III.)*, by Henry S. Washington.—*On Clinton Conglomerates and Wave Marks in Ohio and Kentucky (concluded)*, by Aug. F. Foerste.—*Glacial Studies in Greenland (IV.)*, by T. C. Chamberlin.—EDITORIALS.—PUBLICATIONS.

THE ASTROPHYSICAL JOURNAL.

Ten numbers yearly. 8vo. \$4.00 per volume. \$4.50 for foreign countries. Single numbers, 50 cents.

Number issued, 650; number of subscribers, 343; additions during quarter, 76.

Vol. I., No. 1, January, 1895; pp. 1-100.

On the Conditions which Affect the Spectro-Photography of the Sun, by A. A. Michelson.—*Photographs of the Milky Way*, by E. E. Barnard.—*The Arc-Spectra of the Elements (I.)*, Boron and Beryllium, by H. A. Rowland and R. Tatnall.—*On Some Attempts to Photograph the Solar Corona Without an Eclipse, made at the Mount Etna Observatory*, by A. Riccò.—*Discovery of Variable Stars from their Photographic Spectra*, by E. C. Pickering.—*Preliminary Table of Solar Spectrum Wave-lengths (I.)*, by H. A. Rowland.—*Observations of Mars made in May and June, 1894, with the Melbourne Great Telescope*, by R. L. J. Ellery.—*Recent Changes in the Spectrum of Nova Aurigæ*, by W. W. Campbell.—*The Modern Spectroscope (X.)*, *General Considerations Respecting the Design of Astronomical Spectroscopes*, by F. L. O. Wadsworth.—MINOR CONTRIBUTIONS AND NOTES.—REVIEWS.—RECENT PUBLICATIONS.

Vol. I., No. 2, February, 1895, pp. 101-192.

On a Lens for Adapting a Visually Corrected Refracting Telescope to Photographic Observations with the Spectroscope, by James E. Keeler.—*Schmidt's Theory of the Sun*, by E. J. Wilczynski.—*A Cloud-like Spot on the Terminator of Mars*, by A. E. Douglass.—*Preliminary Table of Solar Spectrum Wave-lengths (II.)*, by H. A. Rowland.—*Photographic Observations of Eclipses and Jupiter's Satellites*, by Willard P. Gerrish.—*The Arc-Spectra of the Elements (II.)*, Germanium, by H. A. Rowland and R. R. Tatnall.—*Comparison of Photometric Magnitudes of the Stars*, by Edward C. Pickering.—*The Spectrum of δ Cephei*, by A. Bēlopolsky.—MINOR CONTRIBUTIONS AND NOTES.—REVIEWS.—RECENT PUBLICATIONS.

Vol. I., No., 3, March, 1895, pp. 193-272.

Note on the Atmospheric Bands in the Spectrum of Mars, by William Huggins.—*Recent Researches on the Spectra of the Planets*, by H. C. Vogel.—*Solar Observations made at the Royal Observatory of the Roman College in 1894*, by P. Tacchini.—*On a Very Large Protuberance Observed December 24, 1894*, by J. Fényi.—*On the Distribution of the Stars and the Distance of the Milky Way in Aquila and Cygnus*, by C. Easton.—*Preliminary Table of Solar Spectrum Wave-lengths (III.)*, by H. A. Rowland.—*The Modern Spectroscope, XI. Some New Designs of Combined Grating and Prismatic Spectroscopes of the Fixed-arm Type, and a New Form of Objective Prism*, by F. L. O. Wadsworth.—MINOR CONTRIBUTIONS AND NOTES.—REVIEWS.—RECENT PUBLICATIONS.

THE BIBLICAL WORLD.

Monthly. 8vo. \$2.00 per year. Foreign countries \$2.50. Single numbers 20 cents.

Number issued, 2500; number of subscribers, 1817; additions during quarter, 104.

Vol. V., No. 1, January, 1895; pp. 1-80.

EDITORIALS.—*The Teaching of Jesus (I.): The Religious Ideas of the Jews in the Time of Jesus*, by Rev. Professor George B. Stevens, Ph.D., D.D.—*The Drama in Semitic Literature*, by Rev. Professor Duncan B. MacDonald.—*The Originality of the Apocalypse (I.)*, by Professor George H. Gilbert, Ph.D.—STUDIES IN PALESTINIAN GEOGRAPHY, VI.: *The Jordan Valley and the Perea*, by Rev. Professor J. S. Riggs.—COMPARATIVE-RELIGION NOTES: *Notes on Current Anthropological Literature*, by Frederick Starr.—SYNOPSIS OF IMPORTANT ARTICLES.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. V., No. 2, February, 1895; pp. 81-160.

EDITORIALS.—*The Interpretation of the Old Testament as Affected by Modern Scholarship*, by Rev. Professor Charles Rufus Brown, D.D.—*The Teaching of Jesus (II.): The Methods of His Teachings*, by Rev. Professor George B. Stevens, Ph.D., D.D.—*The Originality of the Apocalypse (II.)*, by Rev. Professor George H. Gilbert, Ph.D.—EXPLORATION AND DISCOVERY: *The Philological Congress at Philadelphia*, by Professor L. W. Batten.—COMPARATIVE-RELIGION NOTES: *The Parliament of Religions and the Barrois Lectureship*.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—WORK AND WORKERS.—THE AMERICAN

INSTITUTE OF SACRED LITERATURE.—BOOK REVIEWS.—CURRENT LITERATURE.

Vol. V., No. 3, March, 1895; pp. 161-240.

EDITORIALS.—*Theories of Inspiration*, by Rev. M. A. Willcox, D.D.—*An Introduction to the Quran* (translated from the German of Dr. Gustav Weil), by Professor F. K. Sanders, Ph.D., and H. W. Dunning.—*The Teaching of Jesus (III.): His Teaching Concerning God*, by Rev. Professor George B. Stevens, Ph.D., D.D.—*Modern Theosophy in its Relation to Hinduism and Buddhism (I.)*, by Merwin-Marie Snell.—BIBLE STUDY IN COLLEGE: *Yale University*, by Professor F. K. Sanders, Ph.D.—SYNOPSIS OF IMPORTANT ARTICLES.—NOTES AND OPINIONS.—THE AMERICAN INSTITUTE OF SACRED LITERATURE.—WORK AND WORKERS.—BOOK REVIEWS.—CURRENT LITERATURE.

THE UNIVERSITY EXTENSION WORLD.

Quarterly. 8vo. \$1.00 per year, postage prepaid. Single numbers, 25 cents.

Number issued, 500; number of subscribers, 120; additions during quarter, 5.

Vol. IV., No. 3, January, 1895; pp. 119-182.

EDITORIALS.—*A Don Quixote of Culture*, by Charles Zeublin.—*University Extension and the Stereopticon*, by Howard B. Grose.—*University Extension and University Degrees*, by Nathaniel Butler.—*Patrick Geddes and His University Hall—University Extension and Local Clubs*.—*Work of the Autumn Quarter of 1894 in the University Extension Division of the University of Chicago*, by F. W. Shepardson and R. N. Miller.—THE WORK AND THE WORKERS.—SPECIAL ARTICLES.

B. Books and Pamphlets.

The Science of Finance, an authorized translation of Gustav Cohn's *Finanzwissenschaft*, by DR. T. B. VEBLEN. Number I of the Economic Studies of The University of Chicago. Large 8vo., cloth, pp. xii+800, price \$3.50 net.

Notes on Mexican Archaeology, by FREDERICK STARR. 8vo., paper, pp. 16 with illustrations and four large plates, price 75 cents net.

Phullicism in Japan, by EDMUND BUCKLEY. 8vo., paper, pp. 34 with frontispiece, price 50 cents net.

THE BOOK, PURCHASE, AND SALE DEPARTMENT.

QUARTERLY REPORT, ENDING MARCH 30, 1895.

1. Books purchased for the University, classified according to departments:

Philosophy, \$580.54; Pedagogy, \$7.44; Political Economy, \$95.58; Political Science, \$168.19; History, \$217.27; Classical Archaeology, \$253.12; Sociology, \$216.37; Anthropology, \$14.85; Comparative Religion, \$17.87; Semitics, \$176.58; Biblical Literature (New Testament), \$15.26; Sanskrit and Comparative Philology, \$30.08; Greek, \$230.74; Latin, \$346.08; Romance, \$53.80; German, \$32.69; English, \$36.80; Mathematics, \$201.39; Astronomy, \$5.15; Physics, \$39.35; Chemistry, \$35.06; Geology, \$1063.20; Biological Departments, \$3.26; Zoology, \$98.76; Anatomy and Histology, \$37.45; Physiology, \$22.86; Paleontology, \$73.61; Botany, \$26.52; Physical Culture, \$3.25; Divinity School, \$2.00; Systematic Theology, \$10.50; Church History, \$155.62; Homiletics, \$11.64; University Extension Loan Library, \$97.24; General Library, \$42.75; Neurology, \$32.18; Morgan Park Academy, \$246.33. Total, \$4675.38.

2. Apparatus purchased, classified according to departments:

Philosophy, \$24.19; Classical Archaeology, \$14.00; Astronomy, \$61.60; Physics, \$1602.67; Chemistry, \$4.52; Chemistry (Kest Fund), \$1763.17; Geology, \$1427.41; Biological Departments (store account), \$143.16; Zoology, \$1306.64; Anatomy and Histology, \$1.50; Physiology, \$163.30; Neurology, \$21.76; Paleontology, \$7.45; Botany, \$546.65; Morgan Park Academy, \$19.10. Total, \$7146.12.

Supplies purchased and classified according to 3.

a) Departments:

Philosophy, \$6.61; Political Economy, \$5.83; Political Science, \$11.74; History, \$0.21; Classical Archaeology, \$4.52; Sociology, \$1.19; Comparative Religion, \$0.38; Semitics, \$6.05; Greek, \$4.70; Latin, \$26.58; Romance, \$0.75; German, \$3.26; English, \$0.58; Mathematics, \$7.55; Astronomy, \$7.75; Physics, \$27.74; Chemistry, \$30.32; Geology, \$22.85; Biological Departments, \$2.31;

Zoölogy, \$18.07; Anatomy and Histology, \$5.43; Physiology, \$36.95; Neurology, \$5.00; Paleontology, \$2.59; Botany, \$20.91; Physical Culture, \$0.07; Divinity School, \$11.05; Morgan Park Academy, \$2.96. Total, \$274.32.

b) Offices:

President's, \$26.30; Dean's, \$33.26; Secretary's, \$123.35; Registrar's, \$17.61; Examiner's, \$159.14; Recorder's, \$4.16; University Extension, \$416.00. Total, \$779.82.

4. Books and Stationery purchased for the Bookstore, \$5,853.54.
5. Books and Stationery sold through the Bookstore, \$5,125.16.
6. Expenses for quarter for salaries: manager, book-keeper, stenographer, and clerks—Total for the department, \$1,400.99.

The University Affiliations.

REPORT FOR WINTER QUARTER, 1895.

DES MOINES COLLEGE.

(DES MOINES, IOWA)

HERBERT LEE STETSON, *President.*

List of Instructors, with Number and Character of Courses:

Blakslee, T. M. 1DM (Analytic Geometry), 1M (Plane Geometry), 1DM (Descriptive Geometry), 1DM (College Algebra).
Colvin, W. E. 1DM (Academic Algebra).
Goodell, F. E. 1M (Qualitative Analysis), 1M (General Chemistry), 1M (Elementary Physics).
Goodrich, H. L. 2M (English), 1M (Elementary Rhetoric).
Harris, F. E. 1M (Herodotus), 2MM (Xenophon's *Anabasis*), 1M (Cicero's *Orations*), 1M (Virgil).
Martin, A. D. 1DM (Arithmetic).
Price, A. B. 1DM (Livy), 1DM (Cæsar), 1DM (Cicero's *Orations*).
Stetson, H. L. 1DM (History of Philosophy), 1DM (Sociology), 1DM (Plato's *Protagoras*), 2M (Mediæval History), 1M (History of England), 1M (Apologetics), 1M (History of Greece).
Stephenson, J. P. 1DM (Advanced Rhetoric), 1DM and 1MM (Rhetoric), 1M (Elementary Rhetoric).
Stephenson, F. T. 1DM and 1M (English Literature), 1M (Schiller's *Die Jungfrau von Orleans*).
Schoemaker, D. M. 1DM, 1M, 4DM (German).
St. Clair, W. C. 1DM (English).

NO. OF COURSES.	STUDENTS.
Philosophy: 6 (DM, 2DM).	14
Latin: 6 (3DM).	52
Greek: 6 (DMM, 2DM).	30
Math: 10 (2M, 4DM).	44
History: 4 (4M).	47
English: 13 (4DM, 4M, 1MM).	136
6 weekly Rhetorical Classes.	100
German: 6 (2DM, 2M).	47
Chemistry: 2 (1MM, 1M).	10
Physics: 1 (M).	4

States and countries from which students have come:

Iowa, Illinois, Nebraska, North Dakota, South Dakota, Colorado, District of Columbia, Montana, Michigan, Sweden.

Number of Students:

Enrolled during Winter Quarter, 166.

Entering at beginning of Spring Quarter, 5.

Distribution of Students leaving:

Temporarily, 9.

Permanently, 10.

MORGAN PARK ACADEMY.

(MORGAN PARK)

GEORGE NOBLE CARMAN, *Dean.*

List of Instructors, with Number and Character of Courses:

Burgess, I. B. 1DM (Cicero), 1DM (Nepos), 1½MM (Beg. Latin).
Cornish, R. H. 1DM (Physics), 1DM (Chemistry), 1M (Physiography), 1M (Botany).
Bronson, F. M. 1MM (Xenophon), 1DM (Beg. Greek), 1M (Adv. Greek Composition), 1M (Homer).

Caldwell, E. L. 1DM. (Rev. Geometry), 1DM (Plane Geometry), 1DM (Algebra).
Robertson, L. 1DM (Beginning German, B), 1DM (Intermediate German), 1DM (Beginning German, A).
Chase, W. J. 1DM (Modern History), 1 DM (Roman History), 1M (United States History), 1M (English Grammar).
Wightman, A. R. 1DM (Cæsar), ½MM (Beg. Latin), 1DM (Virgil), 1M (Virgil).

Hicks, M. 1DM (English Composition), 1DM (Arithmetic).

Carman, G. N. $\frac{1}{2}$ DM (Milton), $\frac{1}{2}$ DM (Longfellow), $\frac{1}{4}$ DM (Scott).

Departments :

NO. OF COURSES.	STUDENTS.
History : 5 (2DM, 1M).	58
Greek : 6 (1DM, 1MM, 2M).	35
Latin : 13 (4DM, 2MM, 1M).	109
German : 6 (3DM).	52
English : 6 (3 $\frac{1}{2}$ DM, 1DM).	113
Mathematics : 8 (4DM).	77
Science : 6 (2DM, 2M).	35

States and Countries from which Students have come :

Alabama, 1; Arkansas, 1; California, 3; Canada,

2: Connecticut, 1; Illinois, 89; Indiana, 4; Iowa, 7; Michigan, 1; Mississippi, 2; Missouri, 3; Montana, 1; Nebraska, 3; New York, 2; Ohio, 7; Pennsylvania, 1; South Dakota, 2; Tennessee, 1; Texas, 3; Virginia, 1; Wisconsin, 6; Hawaiian Islands, 1.

Number of Students :

Enrolled during Winter Quarter, 142.
Discontinuing at end of Winter Quarter, 19.
Entering at beginning of Spring Quarter, 4.
Attendance for Current Quarter, 134.

Distribution of Students leaving :

Temporarily, 7. Permanently, 7.
Changing School, 1. Entering College, 4.

THE HARVARD SCHOOL.

(CHICAGO)

JOHN J. SCHOBINGER, Dean.

List of Instructors, with Number and Character of Departments :

Courses :

Ford, W. H. 1M (English), 1DMM (Beginners' Greek), 1DMM (Beg. Latin), 1DM (Virgil), 1DM (Algebra), 1M (United States History).

Grant, J. C. 1DMM (Beg. Latin), 1DMM (Cæsar), 1DM (Cæsar).

Heinrichs, Miss C. L. 2DM (1st year German), 1DM (2d year German).

Leland, S. 1DM (English), 1DM (Xenophon's Anabasis), 1DM (Homer), 1DM (Greek History), 1DM (Virgil), 1DM (Cicero, Ovid).

Liebard, L. 1DM (Beg. French), 1DM (2d year French), 1DM (3d year French).

Lyon, E. P. 2DM (Elementary Science), 1DM (Physics), 1M (Botany).

Page, Miss Helen F. 2DM (Arithmetic), 2DM (English), 2DM (Geography).

Schobinger, J. J. 2DM (Plane Geometry), 1DM (Algebra).

Spalding, Miss M. D. 2DM (English), 1M (Solid Geometry), 1DM (Plane Geometry), 1M (Trigonometry), 1M (History of England), 1M (History of United States).

NO. OF COURSES.	STUDENTS
History : 5 (2DM, 1M).	30
Greek : 8 (1DMM, 2DM).	24
Latin : 18 (3DMM, 3DM).	70
French : 6 (3DM).	23
German : 6 (3DM).	24
English : 7 (3DM, 1M).	88
Math.: 10 (4DM, 2M).	88
Science : 7 (3DM, 1M).	36

States from which Students have come.

Illinois, 76; Iowa, 1; Indiana, 3; Michigan, 1.

Number of Students :

Enrolled Autumn Quarter, 81

Distribution of Students Leaving :

Permanently, 8. Temporarily, 0.
Changing school, 0.

THE QUARTERLY CALENDAR.

THE CHICAGO ACADEMY.

(CHICAGO)

CHARLES W. MANN, *Dean*.*List of Instructors, with Number and Character of Courses:*

	NO. OF COURSES.	NO. STUDENTS
Aeshleman, L. 1DM (Adv. French), 1DM (Beg. French), 1DM (Intermediate German), 1DM (Adv. German).	History: 2 (2DM). Latin: 4 (4DM). French: 2 (4DM). German: 2 (4DM). English: 2 (4DM). Mathematics: 4 (5DM). Physics: 1 (4DM).	11 21 13 4 22 16 6
Daniels, M. L. 1DM (Cæsar), 1DM (Cæsar, Special Course).		
Derham, M. G. 1DM (Cicero), 1DM (Beg. Latin), 1DM (Xenophon), 1 DM (Roman History).		
Jaquish, B. M. 2DM (Beg. Algebra), 1DM (Arithmetic), 1DM (Physics).		
Mann, C. W. 1DM (Algebra and Geometry), 1DM (General History), 1DM (Intermediate French).		
Porter, Elizabeth. 2DM, 1M (English).		

*Home Address of Students:*Chicago, 57.
Illinois, outside of Chicago, 1.*Number of Students:*Enrolled during Winter Quarter, 58.
Entering at beginning of Spring Quarter, 2.
Students leaving during Quarter, 2.
Attendance for Current Quarter, 60.

KENWOOD INSTITUTE.

(CHICAGO)

JOHN C. GRANT, *Dean*.*List of Instructors, with Number and Character of Courses:*

	NO. OF COURSES.	STUDENTS.
Butts, Miss A. E. 1DM (History of Art).	History: 10 (5DM). Greek: 6 (3DM). Latin: 8 (4DM). French: 6 (3DM). German: 4 (2DM). English: 6 (3DM). Mathem.: 10 (5DM). Science: 2 (1DM).	23 4 33 26 16 38 41 18
Faulkner, Miss E. 1DM (Beg. Greek), 1DM (Anabasis), 1MM, 1DM (Beg. Latin), 1DM (Cicero), 1DM (Vergil).		
Schmitt, Miss E. 3DM (French), 2DM (German).		
Sherwood, Miss T. History: 1DM (Greece), 1DM (Engl.), 1M and 1DM (Unit. States), 2 DM (Literature), 1DM (Rhetoric).		
Stone, Miss C. L. 2DM (Arithm.), 1DM (Elem. Physics), 1DM (Elem. Chemistry), 1DM (Physiology).		
Wedgewood, Miss M. 3DM (Algebra), 1M (Solid Geometry), 1DM (Cæsar).		

*Number of Students:*Enrolled Winter Quarter, 65.
Discontinuing at beginning of Spring Quarter, 1
Entering at beginning of Spring Quarter, 3.
Attendance for current Quarter, 67.*Distribution of Students leaving:*Permanently, 1. Temporarily, 0.
Changing school, 0. Entering college, 1.

PART II.—ANNOUNCEMENTS.

The University in General.

THE SUMMER CONVOCATION.

June 29, *Saturday.*

8:00 P.M., Reception to the Graduating students.

June 30, *Sunday.*

3:30 P.M., Vesper Service.

Theatre, Kent Chemical Laboratory.

July 1, *Monday.*

First Term of Summer Quarter begins.

8:30 A.M. to 12:30 P.M., and 2:00 to 4:30 P.M.,
Matriculation and Registration of Incoming Students.

12:30 P.M., Chapel Service.

1:00 P.M., The President's Lunch to the Alumni.

2:00 P.M., Meetings of the Associated Alumni.
The Graduate Alumni Association.

Lecture Room, Cobb Lecture Hall.

The Collegiate Alumni Association.

Chapel, Cobb Lecture Hall

4:00 P.M., The Summer Convocation.

The University Quadrangle

8:00-11:00 P.M., The President's Reception.

59th St. and Lexington Av.

July 2, *Tuesday.*

7:30 A.M., The Lectures and Recitations of
the Summer Quarter begin.

July 4, *Thursday*, INDEPENDENCE DAY: A holiday

10:00 A.M., Meeting of all Divisions of the
University.

Theatre, Kent Chemical Laboratory

Address by HEAD PROFESSOR HARRY PRATT
JUDSON.

PRIZES.

THE HIRSCH SEMITIC PRIZE.

The *Hirsch Semitic Prize* of \$150.00 is awarded each year for the best paper prepared by a student at the University upon a Semitic subject. The next papers are to be submitted on January 1, 1896. The subjects on which competitors may write are the following:

- 1) The Language of the Assyrian Historical Inscriptions to be treated by Periods.
- 2) The Syntax of the Imperfect in the Semitic Languages.
- 3) The Editing of an Arabic or Syriac Manuscript, or of an Assyrian or Babylonian Text.
- 4) The Hebrew Sabbath.

THE BASTIN PRIZE.

The *Ellen B. Bastin Prize* of not less than \$50.00, offered by the Philosophy and Science department of the Chicago Women's Club, is to be given to the woman studying at the University of Chicago who presents the best paper embodying the results of her own original research in any of the Natural Sciences. Papers presented in competition are to be handed to the Dean of Women, not later than June 1st.

Committee of Awards for 1895: Professors Donaldson, Michelson, Loeb, and Marion Talbot.

WALKER PRIZES IN NATURAL HISTORY.

By the provisions of the will of the late Dr. William Johnson Walker, two prizes are annually offered by the *Boston Society of Natural History* for the best memoirs written in the English language on subjects proposed by a committee, appointed by the Council.

For the next best memoir, a prize not exceeding fifty dollars may be awarded.

Prizes will not be awarded unless the memoirs presented are of adequate merit.

The competition for these prizes is not restricted, but open to all.

Each memoir must be accompanied by a sealed envelope enclosing the author's name and superscribed with a motto corresponding to one borne by the manuscript, and must be in the hands of the Secretary on

or before April 1, of the year for which the prize is offered.

Subjects for 1895:

- (1) A study of the "Fall line" in New Jersey.
- (2) A study of the Devonian formation of the Ohio basin.
- (3) Relations of the order Plantaginaceæ.
- (4) Experimental investigations in morphology or embryology.

Subjects for 1896:

- (1) A study of the area of schistose or foliated rocks in the eastern United States.
- (2) A study of the development of river valleys in some considerable area of folded or faulted Appalachian structure in Pennsylvania, Virginia, or Tennessee.
- (3) An experimental study of the effects of close fertilization in the case of some plant of short cycle.
- (4) Contributions to our knowledge of the general morphology or the general physiology of any animal except man.

NOTE.—In all cases the memoirs are to be based on a considerable body of original work, as well as on a general view of the literature of the subject.

SAMUEL HENSHAW, *Secretary.*

Boston Society of Natural History,
BOSTON, MASS., U. S. A.

THESES AND EXAMINATIONS.**DOCTORS' THESES AND EXAMINATIONS FOR ADVANCED COURSES.**

Students who are candidates for the higher degrees at the October Convocation, 1895, will note the following announcements:

1. Students who are candidates for the Doctor's Degree must submit their thesis, the subject of which has already been approved, in written form to the Head or Acting Head of the Department, on or before Saturday, June 22.

2. Students who are candidates for the Master's Degree will submit their thesis in written form on or before Saturday, August 31.
3. Students who are candidates for the degree of Bachelor of Divinity or Bachelor of Theology must submit their thesis on or before Saturday, June 22.
4. In all cases the applicants will present in writing to the proper dean a statement indicating the date at which they will be prepared to take the final examination.

HOLIDAYS AND OTHER SPECIAL DAYS.

The First Term of the Spring Quarter, 1895, ends on Saturday, May 11.

The Spring Quarter ends on Saturday, June 22, with a recess from June 23 to 30.

The Summer Quarter begins on Monday, July 1, 1895.

The First Term of the Summer Quarter ends on Saturday, August 10.

Thursday, May 30, *Memorial Day*; a holiday.

Friday, June 14, *Academic College Day*; a holiday.

Thursday, July 4, *Independence Day*; a holiday.

REGISTRATION AND SPECIAL EXAMINATIONS.

Saturday, June 8, is the last day for students in residence to hand in their registration cards for the Summer Quarter.

Students entering the University for the first time or resuming work after an absence of a term or a longer period must register on or before Tuesday, July 2, 1895.

On registration the student's card will in every case

be countersigned by the Registrar. A registration fee of \$5.00 will be paid at that time. This fee will be remitted if registration is effected on or before the assigned dates.

Examinations at other than the regular dates may be given only at the University, and only by special permission of the Examiner and upon the payment of a fee of not less than \$10.00 nor more than \$15.00.

REGULATIONS CONCERNING ADMISSION.

SUMMER QUARTER, 1895.

A student who intends to take the course of the Summer Quarter as preliminary to further work in the University, or as candidate for a degree at some future time, should enter in accordance with the regulations of the various schools and colleges as published in the CIRCULARS OF INFORMATION. Students who enter the University for the Summer Quarter only (or either term of it) may do so as (a) unclassified students, (b) college students, (c) graduate students, (d) divinity students. The regulations concerning entrance are given under these four heads. Persons will naturally be determined in their choice of departments by their previous training.

Teachers who are graduates of approved academies, high schools, or normal schools, and who have been engaged in teaching for one or more years, may be admitted to the Academic Colleges or as unclassified students, provisionally and without examination, so far as the departments representing subjects which they have been engaged in teaching are concerned. They are allowed to select courses (a) in those departments, and (b) departments in which beginning courses are offered (e. g., French and German), it being understood [1] that a teacher shall in no case be allowed credit for previous teaching in more than two departments; [2] that such credit shall be withdrawn in case the student falls below grade C; [3] that before selecting courses in other departments than those provided for under (a) and (b) the regular examinations for admission in those departments shall be passed.

Students from other Institutions. Members of other colleges or universities may enter the Academic or University Colleges without examination, provided they can produce satisfactory evidence of good scholarship and moral character from institutions previously attended.

Graduates of recognized Colleges and Universities may enter the Graduate Schools without examination on presentation of diplomas or certificates.

Members of Theological Seminaries may enter the Divinity School without examination, provided they can produce satisfactory evidence of scholarship in institutions previously attended.

Ministers, students for the English Theological Seminary, who desire to do special work in any of the departments of the Divinity School, may be admitted without examination.

Persons who do not fall within the limits of the above classes may be admitted to the Academic Colleges by passing all the required admission examinations, or as unclassified students by passing the admission examinations in the departments in which they desire to study. These examinations are described in full in the CIRCULAR OF INFORMATION OF THE DEPARTMENTS OF ARTS, LITERATURE, AND SCIENCE, p. 16, and briefly summarized on page 19 of the SPECIAL CIRCULAR OF INFORMATION FOR THE SECOND SUMMER QUARTER, 1895.

QUARTERLY EXAMINATIONS.

The Quarterly examinations for the current Spring Quarter will be held June 19-21. One half day will be devoted to each exercise, in the order of the daily programme, as seen in the following scheme:

EXERCISE.	EXAMINATION.
8:30 A.M.	Wednesday, June 19, A.M.
9:30 A.M.	Wednesday, June 19, P.M.
10:30 A.M.	Thursday, June 20, A.M.
11:30 A.M.	Thursday, June 20, P.M.

EXERCISE.	EXAMINATION.
2:00 P.M.	Friday, June 21, A.M.
3:00 P.M.	Friday, June 21, P.M.

Exercises occurring at 7:30 A.M. and at or after 4:00 P.M. will have their examinations on Saturday, June 22.

The hours of the morning examinations will be from 9 to 12, of the afternoon examinations from 2 to 5.

During the examinations, the usual lectures and recitations will be suspended.

CIRCULARS OF INFORMATION.

The *Circulars of Information* which are reprints of certain portions of the UNIVERSITY REGISTER will be sent upon application.

The Circular of Information concerning THE DEPARTMENTS OF ARTS, LITERATURE, AND SCIENCE contains in Part I. a statement of the dates upon which various University events occur, a list of departments of instruction, the terms of admission to the *Graduate Schools*, conditions of candidacy for the degrees of master of arts, master of science, master of philosophy and doctor of philosophy; statements concerning University fellowships, special fellowships, graduate scholarships, and docentships, the method of application for the same; statements concerning theses and examinations, departmental journals and other departmental publications, regulations governing the selection of courses, non-resident work, rooms and fees. Part II. of the circular describes the organization of the various *Colleges*, contains the regulations governing the admission of students to advanced standing, the admission of unclassified students, the selection of courses, average annual expenses, the students' fund society, the employment bureau, scholarships, the conditions of candidacy for the degrees of bachelor of arts, bachelor of philosophy, and bachelor of science; the requirements for admission to the Academic Colleges, the regulations governing the examinations for admission, and the courses of study in the Academic Colleges; the work of the Academic Colleges in general and in detail, together with the order of examinations for admission.

The Circular of Information concerning THE DIVINITY SCHOOL contains an historical statement, a list of the officers of government and instruction, the courses for the current year in the Graduate Divinity School, the Dano-Norwegian Theological Seminary, and Swedish Theological Seminary; articles upon the purpose and constituency of the Divinity School, the terms of admission, departments of instruction, regulations governing the selection of courses, conditions of candidacy for degrees or certificates, theses and examinations, the library, fellowships, opportunities for religious work, special regulations, expenses and opportunities for self-help.

The Circular of Information concerning THE UNIVERSITY EXTENSION DIVISION is issued in three separate parts. Part I. relates to the work of the *Lecture-study Department*. It contains (1) information relating to the general plan of University Extension lecture-studies and to the credit extended for the work done, directions in reference to organization, information as to expenses of the courses of lectures, and other information helpful to local Committees in organizing and promoting the work of University Extension in their towns; (2) a list of the lecturers, with a full statement of the subjects of their courses and also of the separate lectures included in each course.

Part II. relates to the work of the *Correspondence teaching Department*. It contains (1) general information relating to the purpose and method of instruction offered by Correspondence, the relation of Correspondence students to the University, the credit which they receive for the work, and other information for the guidance of those who desire to receive University instruction by Correspondence; (2) courses of instruction offered in this Department.

Part III. relates to the work of the *Class-work Department*. It contains (1) general information as to the aim, method, and organization of the work, the relation of Class-work students to the University, the regulation for examinations, the credit for the work done, and the regulations governing the selection of courses; (2) a full statement of the classes organized and the work offered in the Class-work Department of the University Extension Division.

THE UNIVERSITY ACADEMY at Morgan Park also issues a CALENDAR, which will be sent upon application, giving a list of the officers of government and instruction, and containing information in regard to the requirements for admission, the courses of study, average expenses, scholarships, self-help, the dormitories, special regulations, together with a description of the buildings and grounds and a list of the students in attendance during the current year.

The University (Proper).

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF ARTS, LITERATURE, AND SCIENCE.

JULY 1, 1895, TO JULY 1, 1896.

NOTE.—The following is a list of the titles of courses to be given in the University from July 1, 1895, to July 1, 1896. For a complete description of the courses consult the ANNUAL REGISTER and the DEPARTMENTAL PROGRAMMES.

SPECIAL NOTICE.—The hour and place of the exercises are printed in **bold-face type** after the title of the course. The number at the head of each course indicates its number in Register and Programme.

ABBREVIATIONS.—A, B, C, D refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered. K=Kent Chemical Laboratory, R=Ryerson Physical Laboratory, W=Walker Museum.

The abbreviations used in the description of the courses are: M—Minor, DM—Double Minor, MM—Major, DMM—Double Major.

REGISTRATION.—Students in residence must register for the Summer Quarter on or before Saturday, June 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signature of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done; (3) deposit the same in the office of the Dean, and (4) receive from the Dean a class ticket.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before Tuesday, July 2.

On registration the student's card will in every case be countersigned by the Registrar. A registration fee of \$5 00 will be paid at that time. This fee will be remitted if registration is effected on or before the assigned dates.

I. A. AND B.—PHILOSOPHY AND PEDAGOGY.

SUMMER	AUTUMN	WINTER	SPRING
1 Introductory Psychology ¹ (<i>Angell</i>) DM 8:30; R 33	1 Introductory Psychology ¹ (<i>Angell</i>) DM 10:30; R 33	2 Introductory Ethics ² (<i>Dewey</i>) DM 9:30; C 13	3 Logic (<i>Mead</i>) DM 9:30; C 17
4a Movements of Thought in 19th Century (<i>Tufts</i>) M First Term 9:30; C 17	4 History of Philosophy ³ (<i>Tufts</i>) DM 9:30; R 17	4 History of Philosophy ³ (<i>Tufts</i>) DM 8:30; C 17	4a Thought in 18th and 19th Centuries ¹ (<i>Tufts</i>) DM 8:30; C 17
5 Kant's Critique of Pure Reason (<i>Tufts</i>) M or MM First Term 8:30; C 17	5 Kant's Critique of Pure Reason (<i>Tufts</i>) DM 10:30; C 17	8 Kant Seminar (<i>Tufts</i>) DM Tues. 4:00-6:00; C 14	8 Kant Seminar (<i>Tufts</i>) DM Tues. 4:00-6:00; C 14
19 Psychology, Laboratory Course (<i>MacLennan</i>) M Each Term R 33	8 Kant Seminar ⁴ (<i>Tufts</i>) DM Tues. 4:00-6:00; C 14	11 Seminar, History of Logic (<i>Dewey</i>) DM Mon. 2:00-4:00; C 14	10 Matter and Motion (<i>Mead</i>) DM 11:30; C 17
20 Advanced Psychology (<i>Angell</i>) DM 10:30; R 33	11 Seminar, History of Logic (<i>Dewey</i>) DM Mon. 2:00-4:00; C 14	14 Psychological Ethics ² (<i>Dewey</i>) 9:30; C 13	11 Seminar, History of Logic (<i>Dewey</i>) DM Mon. 2:00-4:00; C 14
	13 Logic of Ethics (<i>Dewey</i>) DM 9:30; C 13	21 Experimental Psychol- ogy (<i>Angell</i> and <i>Moore</i>) DM 8:30; R 33	15 Political Ethics (<i>Dewey</i>) DM 9:30; C 13
	21 Experimental Psychol- ogy (<i>Angell</i>) DM 8:30; R 33	22 Psychology, Research Course (<i>Angell</i>) DM R 33	22 Psychology, Research Course (<i>Angell</i>) DM R 33
	22 Psychology, Research Course (<i>Angell</i>) DM R 33	23 Comparative Psychol- ogy (<i>Mead</i>) DM 10:30; C 17	25 Morbid Psychology (<i>Strong</i>) M First Term 8:30; C 13
		24 Methodology of Psy- chology (<i>Mead</i>) DM 11:30; C 17	26 Psychology and Phi- losophy (<i>Strong</i>) M Second Term 8:30; C 13
			27 Seminar in Psychol- ogy (<i>Strong</i>) DM Sat. 10:30-12:30; C 14
1 History of Education (<i>Thurber</i>) DM 10:30; C 13	3 General Pedagogy (<i>Bulkley</i>) DM 11:30; C 13	4 Pestalozzi and Herbart (<i>Bulkley</i>) DM	5 English Pedagogy (<i>Bulkley</i>) DM
2 Institutes of Pedagogy (<i>Thurber</i>) DM 11:30; C 13	7 Seminar in Pedagogy (<i>Bulkley</i>) DM C 14	8 Seminar in Spencer (<i>Bulkley</i>) DM	9 Seminar, Herbart (<i>Bulkley</i>) DM

PREREQUISITES AND REMARKS.

¹ Required Philosophy; Prerequisite: 2 Majors College work.² Required Philosophy; Prerequisite: Course 1.³ Courses 4 and 4a form a continuous course of three Double Minors, but 4a may be taken regularly.⁴ Prerequisite: An introductory course in Kant, and ability to read German. Those who have taken Course 5 may join 8 in the Winter Quarter.⁵ For advanced students taking Course 2.

II. POLITICAL ECONOMY.

SUMMER	AUTUMN	WINTER	SPRING
1 Principles of Political Economy (<i>Miller</i>) DM Tues.-Fri. 9:30; C 3	1 Principles of Political Economy, repeated DM (<i>Hill</i> and <i>Closson</i>) 5 History of Political Economy (<i>Closson</i>) DM 7 Socialism (<i>Veblen</i>) DM 10:30 9 Money (<i>Laughlin</i>) DM 10 Statistics (<i>Gould</i>) DM 11 Advanced Statistics (<i>Gould</i>) DM 13 Tariff History (<i>Hill</i>) DM 15 Finance (<i>Closson</i>) DM 20 Seminar (<i>Laughlin</i>) DM	1A Advanced Political Economy, repeated (<i>Hill</i>) DM 1B Descriptive Political Economy (<i>Closson</i>) DM 3 Scope and Method of Political Economy (<i>Closson</i>) DM 7 Socialism, continued (<i>Veblen</i>) DM 9 Money, continued (<i>Laughlin</i>) DM 12 Railway Transportation (<i>Hill</i>) DM 20 Seminar, continued (<i>Laughlin</i>) DM	4 Unsettled Problems (<i>Laughlin</i>) DM 8A Social Economics (<i>Closson</i>) DM 14 Financial History of the United States (<i>Hill</i>) DM 16 Agriculture (<i>Veblen</i>) DM 17 Banking (<i>Hill</i>) DM 18 Oral Debates (<i>Closson</i> , <i>Hill</i> , <i>Lovett</i>) DM 20 Seminar, continued (<i>Laughlin</i>) DM
1A Advanced Political Economy ¹ (<i>Miller</i>) DM Tues.-Fri. 10:30; C 3			

REMARKS.

¹ Open only to students who elect either 1A or 1B in the Winter Quarter.

III. POLITICAL SCIENCE.

SUMMER	AUTUMN	WINTER	SPRING
12 American State Government (<i>Judson</i>) M First Term 9:30; C 9 13 Municipal Government (<i>Judson</i>) M First Term 10:30; C 9 71 Geography of Europe—Physical, Historical and Political ¹ (<i>Conger</i>) MM First Term 8:30 and 3:00; C 9	1 Civil Government ¹ (<i>Judson</i>) DM 9:30; C 9 10 Seminar (<i>Judson</i>) ² DM Tues. 4:00-6:00; C 1 21, 22 International Law ¹ (<i>Judson</i>) DM 10:30; C 9 25 Administrative Law (<i>Freund</i>) DM 9:30; C 10 31 General Jurisprudence (<i>Freund</i>) DM 11:30; C 10	* 2 Constitutional Law (<i>Judson</i>) DM 9:30; C 9 *10 Seminar (<i>Judson</i>) ² DM Tues. 4:00-6:00; C 1 *11 Comparative Politics—National (<i>Judson</i>) DM 10:30; C 9 26 Administrative Law ³ (<i>Freund</i>) DM 9:30; C 10 32 Historical Jurisprudence ⁴ (<i>Freund</i>) DM 11:30; C 10	1 Civil Government ¹ (—) DM 27 The Judicial Power ⁴ (<i>Freund</i>) DM 33 Roman Law ⁴ (<i>Freund</i>) DM 15 Government of Chicago ⁴ (<i>West</i>) DM

* These courses may be given in the Spring Quarter instead of the Winter Quarter. Announcement will be made in the Autumn Calendar.

REMARKS.

¹ Courses 1, 21, and 22 should precede any other course.

² Course 10 is exclusively for Graduate Students.

³ Course 26 should be preceded by Course 25, and Course 32 by Course 31.

⁴ Courses 27, 33, and 15 should be preceded by two or three of the other courses.

⁵ Course 71 is an introduction to European History. It is divided, and either part may be taken as a Minor.

IV. HISTORY.

SUMMER	AUTUMN	WINTER	SPRING
<p>1 Outline of Mediæval History (<i>Thatcher</i>) DM 8:30; C 3</p> <p>2 Outline of Modern Europe (<i>Schwill</i>) DM 10:30; C 8</p>	<p>1 Mediæval History, repeated (<i>Thompson</i>) DM</p> <p>2 Outline of Modern Europe, repeated (<i>Catterall</i>) DM</p>	<p>1 Mediæval History, repeated (<i>Thompson</i>) DM</p> <p>2 Outline of Modern Europe, repeated (<i>Catterall</i>) DM</p>	<p>1 Mediæval History, repeated (<i>Thompson</i>) DM</p> <p>2 Outline of Modern Europe, repeated (<i>Schwill</i> and <i>Catterall</i>) DM</p>
<p>3 Introduction to Study of Modern History (<i>Terry</i>) MM Second Term Tues.-Fri. 7:30 and 9:30; C 7</p> <p>4 The Protestant Reformation and the Religious Wars (<i>Catterall</i>) MM First Term 8:30 and 11:30; C 8</p>	<p>4 The Protestant Reformation, repeated (<i>Catterall</i>) DM</p>	<p>5 The French Revolution, repeated (<i>Catterall</i>) DM</p>	<p>6 History of the United States from 1789-1861 (<i>Shepardson</i>) DM</p>
<p>71 (Political Science Department) Geography of Europe (<i>Conger</i>) MM First Term 8:30 and 3:00; C 9</p> <p>5 The French Revolution and the Napoleonic Wars (<i>Thompson</i>) MM Second Term 8:30 and 11:30; C 8</p> <p>7 The History of Antiquity to the Persian Empire (<i>Goodspeed</i>) MM Second Term 10:30-12:30; D 16</p> <p>14a History of Egypt (<i>Breasted</i>) DM 3:00; D 16</p> <p>19 Teachers' Course in Greek History (<i>Wirth</i>) DM 7:30; C 8</p> <p>43 The Rise of Prussia (<i>Schwill</i>) DM 11:30; C 9</p>	<p>7 The History of Antiquity to the Persian Empire, repeated (<i>Goodspeed</i>) DM 2:00; D 16</p> <p>21 The History of Rome from the Earliest Times to the Antonines (<i>Wirth</i>) DM</p> <p>24 The Transition Period (<i>Terry</i>) DM 4:00; C 7</p> <p>31 The Founding of the Modern French Monarchy (<i>Thompson</i>) DM</p> <p>32 The Renaissance (<i>Schwill</i>) DM</p>	<p>12 Introduction to the History of the Hebrew Monarchy (<i>Goodspeed</i>) DM Tues. and Fri. 4:00-6:00 D 16</p> <p>22 The History of Rome, continued (<i>Wirth</i>) DM</p> <p>25 The Transition Period, continued (<i>Terry</i>) DM 4:00; C 7</p> <p>28 England under the Stuarts (<i>Catterall</i>) DM</p> <p>33 The Renaissance, continued (<i>Schwill</i>) DM</p>	<p>13 Hebrew and Egyptian History (<i>Goodspeed</i>) M First Term Mon. and Tues. 4:00-6:00; D 16</p> <p>14 Hebrew and Babylonian History (<i>Goodspeed</i>) M Second Term Mon. and Tues. 4:00-6:00; D 16</p> <p>15 History of Greece to Death of Alexander (<i>Goodspeed</i>) DM Tues. and Fri. 4:00-6:00; D 16</p> <p>23 The History of Rome, continued (<i>Wirth</i>) DM</p> <p>26 The Transition Period, continued (<i>Terry</i>) DM 4:00; C 7</p>

IV. HISTORY—Continued.

SUMMER	AUTUMN	WINTER	SPRING
50 Europe in the Early XIX. Century (<i>von Holst</i>) M First Term 8:30; C 7	44 The French Revolution (<i>von Holst</i>) DM	41 Holland and the Reformation, a Seminar (<i>Hulbert</i>) DM	39 The Swiss Reformation (<i>Johnson</i>) DM
53 The History of the U. S. Colonial Period to 1789 (<i>Shepardson</i>) M First Term 10:30; C 7	51 The History of the U. S. from the Missouri Compromise (<i>Shepardson</i>) DM	45 The French Revolution continued (<i>von Holst</i>) DM	40 The Reformation in France (<i>Moncrief</i>) DM
54 The History of the U. S. from 1789 (<i>Shepardson</i>) M Second Term 10:30; C 7		52 The U. S. from the Missouri Compromise, continued (<i>Shepardson</i>) DM	43 The Rise of Prussia, repeated (<i>Schwill</i>) DM
62 Seminar in American History (<i>von Holst</i>) M First Term Mon. 8:30-10:30; C 7	59 Seminar in English History (<i>Terry</i>) DM Mon. 10:30-12:30; C 7	60 Seminar in English History, continued (<i>Terry</i>) DM Mon. 10:30-12:30; C 7	61 Seminar in English History, continued (<i>Terry</i>) DM Mon. 10:30-12:30; C 7
	63 Seminar in American History (<i>von Holst</i>) DM	64 Seminar in American History (<i>von Holst</i>) DM	65 Seminar in American History, continued (<i>von Holst</i>) DM

REMARKS.

- * Courses 1 and 2 are required of all Academic College Students.
- * Courses 3-6 are recommended to University College Students as a preparation for the Graduate School Courses in History. Students are advised to take Courses 1-6, if possible, in the order indicated in the Programme and Register.
- * Courses 59-65 are designed solely for members of the Graduate School.

V. ARCHÆOLOGY.

SUMMER	AUTUMN	WINTER	SPRING
	1 Introduction to Classical Archæology (<i>Tarbell</i>) DM 10:30; B 2	2 History of Greek Sculpture ¹ (<i>Tarbell</i>) DM	4 Greek Vases and Coins (<i>Tarbell</i>) DM

¹ PREREQUISITE.—Course 1.

VI. SOCIOLOGY AND ANTHROPOLOGY.

SUMMER	AUTUMN	WINTER	SPRING
20 Trades Unions (<i>Bemis</i>) M First Term 10:30; C 11	1 Laboratory in Anthro- pology (<i>Starr</i>) DM W 3d floor	1 Laboratory in Anthro- pology, continued (<i>Starr</i>) DM W 3d floor	1 Laboratory in An- thropology, contin- ued (<i>Starr</i>) DM W 3d floor
21 The State and Reform (<i>Bemis</i>) M First Term 11:30; C 11	2 Physical Anthropology, Laboratory (<i>Starr</i>) DM 2:00; W 3d floor	2 Physical Anthropology, Laboratory, continued (<i>Starr</i>) DM 2:00; W 3d floor	2 Physical Anthropol- ogy, Laboratory, con- tinued (<i>Starr</i>) DM 2:00; W 3d floor
22 Methodology of Sociol- ogy ¹ (<i>Small</i>) MM First Term 8:30-10:30; C 10	3 Mexico (<i>Starr</i>) DM 10:30; W 3d floor	7 Ethnology (<i>Starr</i>) DM 11:30; W 3d floor	8 Prehistoric Ameri- can Archaeology (<i>Starr</i>) DM 11:30; W 3d floor
41 Compar. Psychology ² (<i>Thomas</i>) DM 10:30; C 10	4 General Anthropology (<i>Starr</i>) DM 11:30; W 3d floor	10 Seminar (<i>Talbot</i>) DM 3:00-5:00; C 11	10 Seminar (<i>Talbot</i>) DM 3:00-5:00; C 11
42 Somatic and Psychic History of Woman ³ (<i>Thomas</i>) DM 11:30; C 10	10 Seminar (<i>Talbot</i>) DM 3:00-5:00; C 11	12 Sanitary Aspects (<i>Talbot</i>) DM 10:30; C 11	13 Economy of Living (<i>Talbot</i>) DM 9:30; C 11
49 Settlement Movement (<i>West</i>) M First Term 2:00; C 10	11 House Sanitation (<i>Talbot</i>) DM 10:30; C 11	14 Seminar (<i>Henderson</i>) DM Tues. 4:00-6:00; C 2	14 Seminar (<i>Hender- son</i>) DM Tues. 4:00-6:00; C 2
50 Evolution of Society (<i>West</i>) M Second Term 2:00; C 10	14 Seminar (<i>Henderson</i>) DM Tues. 4:00-6:00; C 2	16 Dependents and Defect- ives (<i>Henderson</i>) M Second Term 2:00; C 11	17 Crime and Criminals (<i>Henderson</i>) M First Term 2:00; C 11
52 Field Work in Mexico (<i>Starr</i>) DMM	15 Organized Christianity (<i>Henderson</i>) M Sec- ond Term 2:00; C 11	25 Social Anatomy ⁴ (<i>Vincent</i>) DM 8:30; C 11	22 Methodology ¹ (<i>Small</i>) DM 2:00; C 10
	18 The Family (<i>Hender- son</i>) M First Term 2:00; C 11	27 Social Statics, contin- ued ⁵ (<i>Small</i>) DM 3:00; C 10	25 Social Anatomy, con- tinued ⁶ (<i>Vincent</i>) DM 8:30; C 11
	19 Voluntary Associations (<i>Henderson</i>) M Second Term 3:00; C 11	28 Dynamics; a Seminar (<i>Small</i>) DM Mon. 2:00-4:00; C 2	26 Introduction to Study of Society ⁴ (<i>Vincent</i>) DM 2:00; C 8
	24 Province of Sociology ⁷ (<i>Vincent</i>) DM 8:30; C 11	29B Social Philosophy, continued (<i>Small</i>) DM 2:00; C 10	27 Social Statics, con- tinued ⁸ (<i>Small</i>) DM 3:00; C 10
	27 Social Statics ⁹ (<i>Small</i>) DM 3:00; C 10	31 American Rural Life (<i>Henderson</i>) M First Term 3:00; C 11	28 Dynamics; a Semi- nar DM (<i>Small</i>) Mon. 2:00-4:00; C 2
	28 Dynamics; a Seminar (<i>Small</i>) DM Mon. 2:00-4:00; C 2	32 Agencies for Welfare (<i>Henderson</i>) M First Term 2:00; C 11	29C Social Philosophy continued (<i>Small</i>)
	29A Social Philosophy (<i>Small</i>) DM 2:00; C 10	33 Modern Cities (<i>Hen- derson</i>) M Second Term 3:00; C 11	34 Sociology of the New Testament (<i>Hender- son</i>) M Second Term 2:00; C 11

VI. SOCIOLOGY AND ANTHROPOLOGY.—Continued.

SUMMER	AUTUMN	WINTER	SPRING
	37 Contemporary Society in United States ^a (Vincent) DM 2:00; C 8	38 Urban Life in United States ^a (Vincent) DM 2:00; C 8	35 Philanthropies and Reforms (Henderson) M First Term 3:00; C 11
	41 Compar. Psychology (Thomas) DM 9:30; C 10	41 Compar. Psychology, continued (Thomas) DM 9:30; C 10	39 General Hygiene ^a (Talbot) DM 10:30; C 11
	42 Somatic and Psychic History of Woman (Thomas) DM 10:30; C 10	42 Somatic and Psychic History of Woman, continued (Thomas) DM 10:30; C 10	41 Compar. Psychology, continued (Thomas) DM 9:30; C 10
	Statistics (Gould) See Pol. Econ. Nos. 10 and 11		43 Primitive Art (Thomas) DM 10:30; C 10
			51 Social Structure in Great Britain (Zeublin) DM 11:30; C 10

REMARKS.

- ^a Course 23 is required in case Sociology is offered, either as primary or secondary subject, by candidates for higher degrees.
- ^a Course 34 may be taken without Course 25; but Courses 24 and 25 will be required of all candidates for the Degree of Doctor of Philosophy who offer Sociology either as primary or secondary subject.
- ^a Course 27 forms Part II. of the system of Social Philosophy introduced by Courses 24 and 25. Course 27 may be taken by students who are suitably prepared, without Courses 24 and 25; or students who wish to make Sociology their principal subject may combine Courses 24, 25, and 27 as Three Double Majors. It is also recommended that Professor Dewey's course, *The Logic of Ethics*, be taken in connection with Course 27.
- ^a Open, under certain conditions, to Academic College Students.
- ^a Course 41 in Summer Quarter is a synopsis of the 3DM Course No. 41, Autumn, Winter, and Spring Quarters.
- ^a Course 42 in Summer Quarter is a synopsis of the 3DM Course No. 42 in Autumn and Winter Quarters.

VII. COMPARATIVE RELIGION.

SUMMER	AUTUMN	WINTER	SPRING
1 Religions of China and Japan (Buckley) DM 8:30; W 3d floor	2 Religions of India (Goodspeed) DM 3:00; D 16	4 Religions of Greece, Rome and Northern Europe (Goodspeed) DM	7 Relations of Christianity to the other Religions: Haskell Lectures (Barrows)
	3 Northern Buddhism (Buckley) 4:00; W 3d floor	5 Science of Religion (Buckley) DM	8 Seminar: Science of Religion (Buckley) DM
		6 Hindi (Coffin) DM	9 Religions of Ancient Persia (Goodspeed) DM

VIII. SEMITIC LANGUAGES AND LITERATURES.

HEBREW.

SUMMER	AUTUMN	WINTER	SPRING
2-3 Beginners' Hebrew (<i>Harper W. R. and Breasted</i>) MM First Term MM Second Term 8:30 and 2:00; D 15	7 Books of Chronicles (<i>Crandall</i>) M Second Term	8 Deuteronomy—Sight Reading (<i>Crandall</i>) $\frac{1}{2}$ M First Term	1 Beginners' Hebrew (<i>Harper W. R. and Crandall</i>) MM First Term
4 Samuel (<i>Harper R. F.</i>) M First Term 10:30; D 13	9c Books of Judges (<i>Crandall</i>) DM	14 Jeremiah—Sight Reading (<i>Crandall</i>) $\frac{1}{2}$ M Second Term	5 Books of Kings (<i>id.</i>) MM Second Term
5b Kings (<i>Harper R. F.</i>) M Second Term 10:30; D 13	25 Book of Job (<i>Hirsch</i>) M Second Term	15 Jeremiah (<i>Price</i>) M First Term	6 Books of Kings (<i>Kent</i>) First Term M
8 Hebrew Sight Reading— Deuteronomy (<i>Crandall</i>) $\frac{1}{2}$ M Second Term 10:30; D 6	34 History of Antiquity (<i>Goodspeed</i>) DM	16 Ezekiel (<i>Price</i>) M Sec- ond Term	11 Isaiah i-xxxix (<i>Price</i>) M First Term
8b Hebrew Sight Reading— Samuel (<i>Crandall</i>) $\frac{1}{2}$ M Second Term 11:30; D 6	39 Old Testament Proph- ecy (<i>Harper W. R.</i>) DM	31 Introduction to the His- tory of the Hebrew Mon- archy (<i>Goodspeed</i>) DM	13 Isaiah xl-lxvi (<i>Price</i>) M Second Term
8c Hebrew Sight Reading— Kings (<i>Breasted</i>) $\frac{1}{2}$ M First Term 11:30; D 15	43 History of the Canon and Text of the Old Testament (<i>Price</i>) DM	45 Development of Old Testament Literature (<i>Harper W. R.</i>) DM	35 Contemporary His- tory of the Old Tes- tament—Egypt, Babylonia, Assyria (<i>Goodspeed</i>) DM
9b Deuteronomy (<i>Breasted</i>) M Second Term 11:30; D 15			44 General Introduc- tion to Textual Crit- icism of Old Testa- ment (<i>Hirsch</i>) DM
22 Minor Prophets, Baby- lonian Period (<i>Harper W. R.</i>) M First Term 7:30; D 15			51 Development of Old Testament Theolog- ical Ideas (<i>Harper W. R.</i>) DM
22b Minor Prophets, Post- exilic (<i>Harper W. R.</i>) M Second Term 7:30; D 15			52 Modern Discoveries and Old Testament (<i>Price</i>) DM
34 History of Antiquity (<i>Goodspeed</i>) MM Second Term 10:30-12:30; D 16			
94 Advanced Hebrew Gram- mar—Etymology (<i>Har- per W. R.</i>) M First Term 9:30; D 15			
95 Advanced Hebrew Gram- mar—Syntax (<i>Harper W. R.</i>) M Second Term 9:30; D 15			

VIII. SEMITIC LANGUAGES AND LITERATURES.—Continued.

ARAMAIC, RABBINIC, SYRIAC, SAMARITAN, MANDAIC, AND PHENICIAN.

SUMMER	AUTUMN	WINTER	SPRING
55 General Introduction to Rabbinic Literature and Life (<i>Hirsch</i>) M Second Term 9:30; D 16	60 Talmud (<i>Hirsch</i>) Rabbinical Seminar	61 Civil and Criminal Legislation of Talmud (<i>Hirsch</i>) M First Term	64 Talmudical Analogies to the New Testament (<i>Hirsch</i>) M First Term
63 History of Jewish Sects (<i>Hirsch</i>) M First Term 9:30; D 16	62 Rabbinical Commentaries on Genesis (<i>Hirsch</i>) M First Term	65 Rabbinical Philosophy (<i>Hirsch</i>) DM	
	68 Beginners' Syriac (<i>Harper R. F.</i>) DM	66 Biblical Aramaic (<i>Price</i>) M Second Term	
		69 Advanced Syriac (<i>Harper R. F.</i>) DM	
		99 Mandaic (<i>Hirsch</i>) M Second Term	

ASSYRIAN, ARABIC, ETHIOPIC, EGYPTIAN, COPTIC AND COMPARATIVE WORK.

SUMMER	AUTUMN	WINTER	SPRING
71 Assyrian Language (<i>Harper R. F.</i>) DM 8:30; D 13	76 Babylonian Historical Inscriptions (<i>Harper R. F.</i>) DM	79 Assyrian Syllabaries and Mythological Inscriptions (<i>Harper R. F.</i>) DM	76b Early Babylonian Inscriptions (<i>Price</i>) DM
73 Early Historical Inscriptions (<i>Harper R. F.</i>) DM 9:30; D 13	82 Earliest Unilingual Inscriptions (<i>Price</i>) Seminar DM	89 Arabic Poetry (<i>Harper W. R.</i>) DM	93 Philosophical Literature of the Arabs (<i>Hirsch</i>) DM
87 Earlier Suras of Quran (<i>Harper W. R.</i>) M First Term 10:30; D 15	88 Later Suras (<i>Harper W. R.</i>) DM	100 Ethiopic (<i>Harper W. R.</i>) M First Term	103 Semitic Seminar 2 (<i>Harper W. R.</i>) DM
90 Arabic 1001 Nights (<i>Hirsch</i>) M First Term	103 Semitic Seminar 2 (<i>Harper W. R.</i>) 3DM Autumn to Spring Quarter	103 Semitic Seminar 2 (<i>Harper W. R.</i>) DM	105 Comparative Lexical Study of South Semitic Languages (<i>Price</i>) Seminar DM
91 Arabic Geography, History and Commentary (<i>Harper W. R.</i>) M Second Term 10:30; D 15	106 Elementary Egyptian (<i>Breasted</i>) DM	104 Comparative Lexical Study North Semitic Languages (<i>Price</i>) Seminar	108 Late Egyptian (<i>Breasted</i>) DM
93 Philosophical Literature of Arabians (<i>Hirsch</i>) M Second Term	113 Elementary Coptic (<i>Breasted</i>) DM	107 Egyptian Texts of Classic Period (<i>Breasted</i>) DM	115 Coptic Reading Bohairic Texts (<i>Breasted</i>) M Second Term
101 Advanced Ethiopic (<i>Hirsch</i>) M First Term		114 Coptic Reading, Sahidic Texts (<i>Breasted</i>) DM	
106 Elementary Egyptian (<i>Breasted</i>) DM			

THE QUARTERLY CALENDAR.

IX. BIBLICAL AND PATRISTIC GREEK.

SUMMER	AUTUMN	WINTER	SPRING
2 New Testament Greek (<i>Votaw</i>) MM First Term 8:30 and 2:00; D 16	4 Rapid Reading in the New Testament (<i>Votaw</i>) DM 11:30; D 16	1 New Testament Greek (<i>Burton</i>) DM	43 Origin of the Septu- agint ^a (<i>Arnolt</i>) DM
7 Greek Palæography (<i>Gregory</i>) M Second Term 7:30; D 16	10 New Testament Times in Palestine (<i>Mathews</i>) DM 9:30; D 15	13 History of the Apostolic Church (<i>Mathews</i>) DM	58 History of Criticism of the Gospels (<i>Arnolt</i>) DM
9 New Testament Textual Criticism (<i>Gregory</i>) M Second Term 8:30; D 16	11 New Testament Times in Græco-Roman World (<i>Mathews</i>) DM 10:30; D 15	28 John (<i>Burton</i>) DM	60 History of Interpre- tation (<i>Mathews</i>) DM
15b Social History of New Testament Times (<i>Mathews</i>) M First Term 9:30; D 6	25 Matthew ¹ (<i>Burton</i>) DM 10:30; D 2	29 Acts (<i>Mathews</i>) DM	
34 ¹ Philippians (<i>Burton</i>) M Second Term 9:30; D 2	40 New Testament Quota- tions ^a (<i>Burton</i>) DM 9:30; D 2	48 Philo (<i>Arnolt</i>) M First Term	
45 Psalms and Ecclesiastes in Greek ^a (<i>Arnolt</i>) M First Term 7:30; D 16	53 Sub-apostolic Greek Literature (<i>Arnolt</i>) DM 9:30; D 16	54 New Testament Apoc- rypha (<i>Arnolt</i>) M First Term	
	55 Christian Literature to Eusebius (<i>Arnolt</i>) DM 8:30; D 16		

PREREQUISITES.

¹ Course 1 or 2.^a Courses 1 (or 2); 25 (or 27); and a knowledge of Hebrew.^a A knowledge of Hebrew.

X. SANSKRIT AND INDO-EUROPEAN COMPARATIVE PHILOLOGY.

B 3.

SUMMER	AUTUMN	WINTER	SPRING
	1 General Introduction to the Study of Indo-Eu- ropean Philology ¹ (<i>Buck</i>) M First Term 10:30; B 3		7 Greek Dialects (<i>Buck</i>) DM
2 Outlines of Comparative Grammar of Greek and Latin ¹ (<i>Stratton</i>) M First Term 11:30; B 3	2 Outlines of Comparative Grammar of Greek and Latin ¹ (<i>Buck</i>) M Second Term 10:30; B 3	2 Outlines of Comparative Grammar of Greek and Latin ¹ (<i>Buck</i>) M First Term	
3 Exercises in Greek and Latin Comparative Grammar ¹ (<i>Stratton</i>) M Second Term 11:30; B 3		3 Exercises in Greek and Latin Comparative Grammar ¹ (<i>Buck</i>) M Second Term	
4 Sanskrit, Elementary Course (<i>Stratton</i>) DM 10:30; B 3	4 Sanskrit, Elementary Course (<i>Buck</i>) DM 11:30; B 3	5 Sanskrit, continued (<i>Buck</i>) DM	6 Sanskrit, continued (<i>Buck</i>) DM

REMARKS.

¹ Courses 1-3 are open to students of the University Colleges as well as to those of the Graduate School.

XI. THE GREEK LANGUAGE AND LITERATURE.

SUMMER	AUTUMN	WINTER	SPRING
<p>1 Homer, <i>Iliad</i>, Books I-III. Review of Greek Grammar. (Owen) M First Term 8:30; B 2</p> <p>2 Xenophon, <i>Memorabilia</i>; Plato, <i>Apology</i> and <i>Crito</i> (Owen) DM 11:30; B 2</p> <p>3 Homer, <i>Odyssey</i>, Selections (Owen) M Second Term 8:30; B 2</p>	<p>1 Homer, <i>Iliad</i>, Books I-III. Review of Greek Grammar, repeated (Owen) DM</p> <p>2 Xenophon, <i>Memorabilia</i>; Plato, <i>Apology</i> and <i>Crito</i>, repeated (Capps) DM</p> <p>3 Homer, <i>Odyssey</i>, Selections, repeated (Owen) DM</p> <p>7 Euripides, <i>Alcestitis</i> and <i>Iphigenia in Tauris</i> (Tarbell) DM</p>	<p>1 Homer, <i>Iliad</i>, Books I-III. Review of Greek Grammar, repeated (Owen) DM</p> <p>2 Xenophon, <i>Memorabilia</i>; Plato, <i>Apology</i> and <i>Crito</i>, repeated (Owen) DM</p> <p>8 Andocides, <i>On the Mysteries</i>; Demosthenes, Selected Political Orations (Tarbell) DM</p>	<p>4 Lysias, Selected Orations; Isocrates, <i>Panegyricus</i> (Castle) DM</p> <p>5 Herodotus, Selections (Owen) DM</p> <p>6 Plato, <i>Gorgias</i> (Owen) DM</p>
<p>10 Greek Lyric Poets (Capps) M First Term 9:30; B 2</p> <p>11 Theocritus, Selections (Capps) M Second Term 9:30; B 2</p> <p>15 Selected Plays of Sophocles and Euripides (Capps) DM 10:30; B 2</p> <p>30 Lucian, Dialogues (Hussey) DM 8:30; B 8</p> <p>31 Post-Classic Greek Poets (Hussey) M First Term 11:30; B 6</p>	<p>14 Demosthenes, <i>Oration on the Crown</i>; Aeschines, <i>Oration against Ctesiphon</i> (Capps) DM</p> <p>22 Plato, <i>Republic</i> (Shorey) DM Mon. and Fri. 3:00-5:00; B 2</p> <p>26 Seminar, History of Ancient Philosophy (Shorey) DM Wed. 3:00-5:00; B 2</p>	<p>20 Greek Scenic Antiquities (Capps) DM</p> <p>22 Plato, <i>Republic</i>, continued (Shorey) DM Mon. and Fri. 3:00-5:00; B 2</p> <p>24 Aristotle, <i>Athenian Constitution</i> (Capps) DM</p> <p>26 Seminar, History of Ancient Philosophy, continued (Shorey) DM Wed. 3:00-5:00; B 2</p>	<p>12 Thucydides, Selections (Tarbell) DM</p> <p>16 Attic Orators, Selections (Castle) DM</p> <p>23 Aeschylus, Rapid Reading Course (Shorey) DM Mon. and Fri. 3:00-5:00; B 2</p> <p>26 Seminar, History of Ancient Philosophy, continued (Shorey) DM Wed. 3:00-5:00; B 2</p>

REMARKS.

Courses 1-9 are Academic College Courses.

Course 1 is for students who enter with Greek (1) and (2) only. It will not be counted as one of the three required Majors in Greek of the Academic Colleges.

XII. THE LATIN LANGUAGE AND LITERATURE.

SUMMER	AUTUMN	WINTER	SPRING
4 Cicero, <i>de Senectute</i> , Livy, etc. (Moore) DM 9:30; B 6	1 Cicero, <i>Orations</i> (for stu- dents in Science) (Walker) DM	2 Virgil, <i>Æneid</i> for (stu- dents in Science) ¹ (Walker) DM	3 Selections from Ovid, Horace, Catullus, Cicero's <i>Letters</i> , etc. (for students in Sci- ence) ² (Walker) DM
6 Horace, <i>Odes</i> ⁴ (Walker) DM 8:30; B 7	4 Cicero, <i>de Senectute</i> , Livy, etc. (Walker and Moore) DM	4 Cicero, <i>de Senectute</i> , Livy, etc. (Miller and Mr. —) DM	4 Cicero, <i>de Senectute</i> , Livy, etc. (Moore and Mr. —) DM
7 Cicero's <i>Letters</i> (Aca- demic College Course) (Abbott) DM 11:30; B 7	5 Terence, <i>Phormio</i> , and Tacitus, <i>Germania</i> and <i>Agricola</i> ³ (Miller and Mr. —) DM	5 Terence, <i>Phormio</i> , and Tacitus, <i>Germania</i> and <i>Agricola</i> ³ (Walker and Moore) DM	5 Terence, <i>Phormio</i> , and Tacitus, <i>Ger- mania</i> and <i>Agricola</i> ³ (Moore and Mr. —) DM
	6 Horace, <i>Odes</i> ⁴ (Miller and Mr. —) DM	6 Horace <i>Odes</i> ⁴ (Miller, Moore, and Mr. —) DM	6 Horace, <i>Odes</i> ⁴ (Moore and Walker) DM
			8 Tusculan <i>Disputa- tions</i> (Academic College Course) (—) DM
37 Syntax of the Latin Verb (Walker) M First Term 11:30; B 8	11 Cicero's <i>Letters</i> (Univer- sity College Course) (Ab- bott) DM	30 Latin Epigraphy (Ab- bott) DM	10 Lucretius (Chandler) DM
9 Plautus (Walker) M Second Term 11:30; B 8	15 <i>Georgics</i> of Virgil, Ti- bullus and Propertius (Chandler) DM	26 Roman History from the Sources (Chandler) DM	23 Historical Develop- ment of Roman Trag- edy (Miller) DM
29 Early Latin (Abbott) DM 10:30; B 8	25 Roman Philosophy (Chandler) DM	34 Seminar 1, continued (Abbott) DM	20 Christian Latin (Chandler) DM
10 Lucretius (Hendrick- son) DM 9:30; B 8	17 Pliny (Hale) DM	39 Research Course in Ro- man Pronunciation (Hale) DM	22 Roman Oratory (Chandler) DM
38 Roman Epic Poetry (Moore) DM 8:30; B 6	34 Seminar 1, Colloquial Latin (Abbott) DM	36 Seminar 3, continued (Hale) DM	19 Juvenal (Hale) DM Seminar 3, continued (Hale) DM
35 Seminar 2, the <i>Dialogus</i> of Tacitus (Hendrick- son) DM Tues. 3:00-5:00; B 2	36 Seminar 3, Comparative Syntax of the Greek and Latin Verb (Hale) DM		36 Seminar 3, continued (Hale) DM

Required Latin.—Courses 1, 2 and 3 are required of all students in Science; Courses 3, 4 and 5 of all students in Arts and Letters. In each case, the numerical order must be followed.

Elective Latin. In the Academic College.—Courses 7 and 8 are especially designed for Academic College students who have concluded Course 6.

In the University College.—All the courses of the department, except 34, 35, 36, 39 are open to students of the University College who have already acquired considerable proficiency in the language.

In the Graduate School.—Courses 34, 35, 36 and 39 are for graduates only. The other courses, from 9 upward, are open to graduates according to their needs.

PREREQUISITES.

- ¹ Course 1.
² Courses 1 and 2.

- ³ Course 4.
⁴ Courses 4 and 5.

XIII. ROMANCE LANGUAGES AND LITERATURES.

SUMMER	AUTUMN	WINTER	SPRING
1 Elementary French (Bergeron) DM 7:30; B 16	1 Elementary French, repeated (Bergeron) DM	1 Elementary French, repeated (de Poyen-Bellisle) DM	1 Elementary French, repeated (——) DM
4 French Syntax (Bergeron) DM 8:30; B 16	1 Elementary French, repeated (Howland) DM	2 Elementary French, repeated (Bergeron) DM	2 Elementary French, repeated (de Poyen-Bellisle) DM
8 Victor Hugo ^a (Howland) DM 8:30; B 14	2 Elementary French (de Poyen-Bellisle) DM	2 Elementary French, repeated (Howland) DM	3 Elementary French, repeated (Howland) DM
10 French Literature of 19th Century (Bergeron) DM 9:30; B 16	3 Elementary French (——) DM	3 Elementary French, repeated (——) DM	3 Elementary French, repeated (Bergeron) DM
21 Old French Phonology (Bruner) DM 8:30; B 12	4 French Syntax (Bergeron) DM	5 Reading of French (Bergeron) DM	6 Reading of French, continued (Bergeron) DM
22 Old French Morphology ^a (Bruner) DM 10:30; B 12	7 Reading of French ¹ (Bergeron) DM	8 Victor Hugo, ^a repeated (Bergeron) DM	9 French Romantic Drama (Bergeron) DM
23 Old French Literature Seminar: French Epic (Bruner) DM Mon. 2:00-4:00; B 12	10 French Literature, repeated (Bergeron) DM	11 French Literature of 17th Century (Bergeron) DM	12 French Literature of the 18th Century (Bergeron) DM
31 Elementary Italian (Howland) DM 10:30; B 16	21 Old French Phonology, repeated (Bruner) DM	22 Old French Morphology, ^a repeated (Bruner) DM	26 Origin and Development of French Lyric Poetry (de Poyen-Bellisle) DM
36 Dante, <i>L'Inferno</i> ^a (Howland) MM First Term 9:30 and 11:30; B 12	24 Old French Readings (de Poyen-Bellisle) DM	25 Provençal Lyric Poetry (de Poyen-Bellisle) DM	29 Middle French Philology ^a (de Poyen-Bellisle) DM
	27 Popular Latin (de Poyen-Bellisle) DM	28 French Dialects: ⁴ Franco-Norman and Anglo-Norman (de Poyen-Bellisle) DM	33 Italian Literature of 19th Century (Howland) DM
	31 Elementary Italian, repeated (Howland) DM	32 Elementary Italian, Manzoni (Howland) DM	36 Dante, <i>L'Inferno</i> ^a (Howland) DM
	34 Italian Literature in English (Howland) DM	35 Machiavelli, ^a <i>Il Principe</i> (Howland) DM	53 Elementary Spanish, continued (——) DM
	41 Italian Philology (Bruner) DM	42 Italian Dialects and Seminar ⁷ (Bruner) DM	56 Old Spanish Readings (——) DM
	51 Elementary Spanish (——) DM	52 Elementary Spanish, continued (——) DM	
	54 Spanish Literature (——) DM	55 Spanish Drama (——) DM	

REMARKS.

Courses 1, 2, 3 in French, and Courses 51, 52, 53 in Spanish are primarily for students in the Academic Colleges.
Courses 10-13; 22-29; 34-36; 41-42; and 54-56 are primarily for students of the Graduate School.

PREREQUISITES.

- ¹ Entrance French 2.
- ² Course 7 or its equivalent.
- ³ Continuation of course 21.
- ⁴ Courses 21 and 22.

- ^a Continuation of 21 and 22.
- ^b Three Majors of Italian.
- ⁷ Course 41.

XIV. GERMANIC LANGUAGES AND LITERATURES.

SUMMER	AUTUMN	WINTER	SPRING
1 Lessing as Critic (<i>Cutting</i>) DM 11:30; B 9	3 Faust I. and II. (<i>Cutting</i>)	8 The Nibelungenlied* (<i>von Klenze</i>) DM	4 Goethe's Storm and Stress Period* (<i>Cutting</i>) DM
2 Schiller* (<i>von Klenze</i>) DM 11:30; B 10	6 The Development of German Literature from 1720 to 1800, etc. (<i>von Klenze</i> and <i>McClintock</i>) DM	9 Heine's Prose and Poetry* (<i>von Klenze</i>) DM	11 Schiller's Wallenstein* (<i>Kern</i>) DM
13 Gothic (<i>von Klenze</i>) DM 10:30; B 9	12 Advanced Prose Composition* (<i>Cutting</i>) DM	10 The Romantic School in Germany* (<i>Mulfanger</i>) DM	15 Middle High German, repeated (<i>Cutting</i>) DM
15 Middle High German (<i>Cutting</i>) DM 9:30; B 9	13 Gothic, repeated (<i>Schmidt-Wartenberg</i>) DM	14 Old High German (<i>Schmidt-Wartenberg</i>) DM	21 Elementary Course in Swedish, repeated (<i>Dahl</i>) DM
16 Elements of Historical German Grammar (<i>Schmidt-Wartenberg</i>) DM 7:30; B 9	17 Introduction to Germanic Philology* (<i>Schmidt-Wartenberg</i>) DM	18 Introduction to Phonetics (<i>Schmidt-Wartenberg</i>) M First Term	25 Scandinavian Nineteenth Century Literature, repeated (<i>Dahl</i>) DM
20 Elementary Course in Norwegian (Danish) (<i>Dahl</i>) DM 8:30; B 9	21 Elementary Course in Swedish (<i>Dahl</i>) DM	19 Old Saxon* (<i>Schmidt-Wartenberg</i>) M Second Term	28 Studies in Björnson (<i>Dahl</i>) DM
22 Studies in Björnson and Ibsen (<i>Dahl</i>) DM 2:00; B 10	23 Old Norse Literature, repeated (<i>Dahl</i>) DM	26 Advanced Course in Norwegian (<i>Dahl</i>) DM	
23 Old Norse Literature (<i>Dahl</i>) DM 3:00; B 9	24 Studies in Ibsen (<i>Dahl</i>) DM	27 Outline Course in Scandinavian Literature (<i>Dahl</i>) DM	
	25 Scandinavian Nineteenth Century Literature (<i>Dahl</i>) DM		
29 Elementary Course in German (<i>Kern</i>) DMM 8:30 and 3:00; B 10	29 Elementary Course in German, repeated (<i>Kern</i> and <i>Almstedt</i>) DMM	29 Elementary Course in German, repeated (<i>Almstedt</i>) DMM	29 Elementary Course in German, repeated (<i>Almstedt</i>) DMM
30 Intermediate Course in German* (<i>Kern</i>) DM 10:30; B 10	30 Intermediate Course in German,* repeated (<i>Almstedt</i>) DM	30 Intermediate Course in German,* repeated (<i>Almstedt</i>) DM	30 Intermediate Course in German,* repeated (<i>Almstedt</i>) DM
33 German Comedies* (<i>Schmidt-Wartenberg</i>) DM 9:30; B 10	31 Modern German Prose* (<i>Kern</i>) DM	31 Modern German Prose,* repeated (<i>Almstedt</i>) DM	33 German Comedies,* repeated (<i>Kern</i>) DM
	32 Modern German Lyrics and Ballads* (<i>von Klenze</i>) DM		

REMARKS.

Courses 1-33 are for students in the University Colleges and the Graduate School.

Courses 29-34 are for students in the Academic Colleges.

Courses 1, 3, 6, 7, 8, 13-19 and 23 are intended chiefly for Graduate Students.

PREREQUISITES.

* Courses 29 and 30.

* Courses 29, 30, 31, and 2, or their equivalent.

* Course 15.

* Courses 29, 30, and 31.

* Course 13.

* Courses 13 and 14.

* Course 29.

XV. ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.

SUMMER	AUTUMN	WINTER	SPRING
1 Rhetoric and English Composition (<i>Herrick and Lovett</i>) DM 2:00; D 1	1 Rhetoric and English Composition (<i>Herrick Lovett and Lewis</i>) DM 2:00	1 Rhetoric and English Composition (<i>Herrick Lovett and Lewis</i>) DM 2:00	1 Rhetoric and English Composition (<i>Herrick Lovett and Lewis</i>) DM 2:00
7 Rhetoric and Composition (<i>Lovett</i>) M First Term 9:30; D 1	2 English Composition (<i>Lovett</i>) DM 8:30	3 Argumentative Composition (<i>Lovett</i>) DM 8:30	2 English Composition (<i>Lovett and Closson</i>) DM 8:30
8 Daily Themes (<i>Herrick</i>) M Second Term 8:30; D 1	5 Advanced English Composition (<i>Herrick</i>) DM 8:30	5 Advanced English Composition, continued (<i>Herrick</i>) DM 8:30	4 Oral Debates (<i>Lovett</i>) DM 9:30
20A Old English, Elementary Course (<i>Davidson</i>) DM 3:00; D 9	20A Old English, Elementary Course, repeated (<i>Blackburn</i>) DM 3:00	20B Old English, continued, Prose Readings (<i>Blackburn</i>) DM 3:00	20C Old English, continued, Poetical Texts (<i>Blackburn</i>) DM 3:00
20C Old English, Poetical Texts (<i>Davidson</i>) $\frac{1}{2}$ DM 4:00; D 9	21 Old English, Advanced Course (<i>Blackburn</i>) DM 2:00	23 English Language Seminar (<i>Blackburn</i>) Mon. 2:00-4:00	22 Comparative Grammar of Old English (<i>Blackburn</i>) DM 2:00
24C Later Middle English (<i>Davidson</i>) DM 2:00; D 9	23 English Language Seminar (<i>Blackburn</i>) Mon. 2:00-4:00	40 English Literature (<i>Tolman and Reynolds</i>) DM 10:30	23 English Language Seminar (<i>Blackburn</i>) Mon. 2:00-4:00
40 English Literature (<i>Reynolds</i>) DM 9:30; D 8	40 English Literature (<i>Tolman and Reynolds</i>) DM 10:30	41A Shakespeare (<i>Brainard</i>) DM 11:30	40A English Literature (<i>Reynolds</i>) DM 9:30
43 The History of English Allegory (<i>Triggs</i>) DM 11:30; D 8	46 Elizabethan Seminar, repeated (<i>Crow</i>) DM Thurs. 10:30-12:30	42 The History of Old English Literature (<i>Blackburn</i>) DM 2:00	46 Elizabethan Seminar (<i>Crow</i>) DM Thurs. 10:30-12:30
44 The Text of Hamlet (<i>Brainard</i>) DM 11:30; D 9	47 Development of Dramatic form in Elizabethan Literature (<i>Crow</i>) DM 3:00	45 The Sources of Shakespeare's Plays, repeated (<i>Crow</i>) DM 3:00	48 Life, Works and Influence of Sir Philip Sidney (<i>Crow</i>) DM 2:00
45 Sources of Shakespeare's Plays (<i>Crow</i>) DM 2:00; B 16	51A The English Romantic Movement (<i>McClintock</i>) DM 10:30	46 Elizabethan Seminar (<i>Crow</i>) DM Thurs. 10:30-12:30	49B English Literature of the Seventeenth Century, continuation of 49A (<i>Lovett</i>) DM 3:00
46 Elizabethan Seminar (<i>Crow</i>) DM Thurs. 10:30-12:30; C 14	52 The Poetry of William Wordsworth (<i>McClintock</i>) DM 9:30	49A English Literature of the Seventeenth Century (<i>Herrick</i>) DM 11:30	50 The Classical Period of English Literature (<i>Reynolds</i>) DM 11:30
54 English Romantic Poets (<i>Reynolds</i>) DM 10:30; D 8	54 English Romantic Poets from 1780-1830, repeated (<i>Reynolds</i>) DM 11:30	51B The English Romantic Movement, continued (<i>McClintock</i>) DM 10:30	51C The English Romantic Movement, continued (<i>McClintock</i>) DM 10:30
	57A The Poetry of Tennyson (<i>Tolman</i>) DM 9:30	53 The Poetry of William Cowper (<i>McClintock</i>) DM 9:30	

XV. ENGLISH LANGUAGE AND LITERATURE, AND RHETORIC.—Continued.

SUMMER	AUTUMN	WINTER	SPRING
83A Development of English Literary Criticism (<i>McClintock</i>) DM 10:30; D 9	58A The Works of Robert Browning (<i>Triggs</i>) DM 11:30	57B The Works of Tennyson (<i>Triggs</i>) DM 11:30	55A English Essayists of the Nineteenth Century (<i>Butler</i>) DM 9:30
84 The Elements of Literature (<i>McClintock</i>) DM 9:30; D 9	59 English Literature of the Nineteenth Century (<i>Triggs</i>) DM 8:30	62A The Poetry of Milton (<i>Carpenter</i>) DM 9:30	56 American Poetry (<i>Butler</i>) DM 3:00
87 Æsthetics of Literature (<i>Triggs</i>) DM 8:30; D 8	80 Seminar, The Art of Poetry (<i>Wilkinson</i>) DM	65 The Minor Elizabethan Drama (<i>Carpenter</i>) DM 10:30	60 Modern Fiction (<i>Triggs</i>) DM 8:30
89 Conference on Teaching of English Literature (<i>McClintock</i>)	81 Criticism of Criticism (<i>Wilkinson</i>) M First Term 9:30	85 The Theory of the Drama (<i>Tolman</i>) DM 9:30	61 The History of American Literature in Nineteenth Century (<i>Triggs</i>) DM 11:30
	82 Short Stories (<i>Wilkinson</i>) M Second Term 9:30	86 The Development of English Fiction (<i>Reynolds</i>) DM 11:30	62C Milton's <i>Paradise Lost</i> (<i>Moulton</i>) DM 10:30
	88 The Development of English Lyric Poetry (<i>Carpenter</i>) DM 9:30	87 Æsthetics of Literature (<i>Triggs</i>) DM 8:30	83B English Literary Criticism (<i>Carpenter</i>) DM 9:30
		90 Bacon and the Early Essayists (<i>Moulton</i>) DM 10:30	84 The Elements of Literature (<i>McClintock</i>) DM 9:30

REMARKS.

Courses 1, 2, 40, and 41 are for students in the Academic Colleges.

Courses 22, 23, 43, 62, 51, 59, 57B, 60, 80, 83A, 85, and 88 are primarily for Graduate Students.

XVI. BIBLICAL LITERATURE IN ENGLISH.

SUMMER	AUTUMN	WINTER	SPRING
A22 Minor Prophets of Babylonian Period (<i>W. R. Harper</i>) M First Term 7:30; D 15	A29 Outline of Hebrew History (<i>Kent</i>) DM	A61 Civil and Criminal Legislation of the Talmud (<i>Hirsch</i>) M First Term	A15 Modern Discoveries and the Old Testament (<i>Price</i>) DM
A22b Minor Prophets of Post-Exilic Period (<i>W. R. Harper</i>) M Second Term 7:30; D 15	B3 Life of Christ (<i>Burton</i>) DM	A17 Minor Prophets (<i>Kent</i>) DM	B21 Teaching of Jesus (<i>Votaw</i>) DM
B1 Political History of Palestine in New Testament Times (<i>Mathews</i>) M First Term 10:30; D 2		A31 Introduction to the History of the Hebrew Monarchy (<i>Goodspeed</i>) DM	A36 Contemporary History of the Hebrews (<i>Goodspeed</i>) DM
B8 Gospel of Mark (<i>Burton</i>) M Second Term 10:30; D 2			

REMARKS.

Courses A17 and 29; B3 and 21 are for the University and Academic Colleges primarily.

XVII. MATHEMATICS.

SUMMER	AUTUMN	WINTER	SPRING
	1 Required Mathematics ¹ First Quarter ² 1a (Young) DM 1b (Hancock) DM 1c (Hancock) DM 1d (Slaughter) DM	1 Required Mathematics ¹ Second Quarter ² 1a (Young) DM 1b (Hancock) DM 1c (——) DM 1d (Slaughter) DM	3 Required Mathematics ¹ First Quarter ² (Young) DM
4 Plane Trigonometry ² (Dickson) MM Second Term 8:30, 11:30; D 7		2 Required Mathematics ¹ First Quarter ² 2a (Boyd) DM 2b (Slaughter) DM 2c (——) DM	2 Required Mathematics ¹ Second Quarter 2a (Boyd) DM 2b (——) DM 2c (Hancock) DM
5 College Algebra ⁴ (Moore) DM 7:30; R 36			7 Culture Calculus ² (Young) DM
6 Mathematical Pedagogy (Young) M First Term 10:30; R 36			
9 Calculus ⁶ (Slaughter) DM 8:30; R 38	8 Analytics and Calculus ⁶ First Quarter (Boyd) DM 8a 10:30; R 35 8b 11:30; R 36	8 Analytics and Calculus ⁶ Second Quarter (Boyd) DM 8a 10:30; R 35 8b 11:30; R 36	8 Analytics and Cal- culus ⁶ Third Quar- ter (Boyd) DM 8a 10:30; R 36 8b 11:30; R 36
10 Determinants ⁷ (Young) M First Term 9:30; R 38	11 Equations ⁸ First Quar- ter (Young) DM 10:30; R 38	11 Equations ⁸ Second Quarter (Young) DM 10:30; R 38	12 Analytic Geometry of three dimensions ⁹ (Hancock) DM 10:30; R 38
14 Differential Equations ⁹ (Slaughter) DM 7:30; R —	13 Advanced Integral Cal- culus ⁹ First Quarter (Bolza) DM 8:30; R 36	13 Advanced Integral Cal- culus ⁹ Second Quarter (Bolza) DM 8:30; R 36	15 Differential Equa- tions ¹⁰ (Slaughter) DM 8:30; R 36
17 Surfaces ¹¹ (Maschke) DM 8:30; R 36	20 Partial Differential Equations ¹² (Boyd) DM 9:30; R 36	18 Surfaces ¹¹ (Maschke) DM 9:30; R 36	16 Analytic Mechan- ics ¹¹ (Maschke) DM 9:30; R 38
19 Advanced Analytic Ge- ometry ¹³ (Smith) DM 10:30; R 38	22 Functions ¹³ (Moore) DM Mon., Wed. 2:30-4:30; R 36		
21 Functions ¹⁴ (Moore) DM 9:30; R 36			
23 Higher Plane Curves ¹⁶ (Maschke) DM 7:30; R 38	25 Algebraic Functions ¹⁷ (Bolza) DM 10:30; R 36	27 Linear Differential Equations ¹⁷ (Bolza) DM 10:30; R 36	30 Icosahedron ²⁰ (Maschke) DM 8:30; R 38
26 Linear Differential Equa- tions Seminar ¹⁷ (Moore) DM Sat. 7:30-9:30; R 36	29 Elliptic Functions ¹⁹ First Quarter (Moore) DM Tues., Thurs. 2:30-4:30; R 36	24 Invariants ¹⁸ (Maschke) DM 8:30; R 38	29 Elliptic Functions ¹⁹ Second Quarter (Moore) DM Tues., Thurs. 2:30-4:30; R 36
	31 Groups ¹⁹ Seminar First Quarter (Moore) DM Sat. 8:30-10:30; R 36	28 Minimal Surfaces ¹⁸ (Hancock) DM 11:30; R 38	31 Groups ¹⁹ Seminar Second Quarter (Moore) DM Sat. 8:30-10:30; R 36

¹ **Required Mathematics.**—Two consecutive double minors of mathematics are required of every student in the first year of residence. The subjects are, in order: *Plane trigonometry, the elements of the analytic geometry of the conic sections, and the elementary theory of finite and infinite algebraic and trigonometric series.*

This course will be given in 1896-97 in seven sections: Course 1, sections 1a, 1b, 1c, 1d, during the Autumn and Winter Quarters; Course 2, sections 2a, 2b, 2c, during the Winter and Spring Quarters.

Students wishing to study Chemistry or Physics or to elect *Culture Calculus* (Course 7) should enter section 1a, 1b, 1c, or 1d.

If students are allowed to matriculate with entrance conditions in mathematics, they are expected to remove these conditions at the next regular entrance examination, and, until this has been done, they may not take the required college mathematics.

The classes in Required Mathematics meet in *Cobb Lecture Hall*, in rooms advertised from quarter to quarter on the general bulletin boards in *Cobb Lecture Hall* and on the departmental bulletin board in R 37.

Academic College Electives in Mathematics.—Courses (7), *Culture Calculus* (Double Minor, Spring Quarter) and (8) *Analytic and Calculus* (three consecutive Double Minors). Students intending to specialize in Mathematics, in Astronomy, or in Physics should arrange their work so as to take *Analytic and Calculus* in their second year of residence.

Courses 1-7 are elementary courses.

Courses 8-23 are introductory to the Higher Mathematics.

Courses 23-31 are advanced courses, intended primarily for Graduate Students.

PREREQUISITES.

* Entrance Algebra and Plane and Solid Geometry.

* Entrance Algebra and Plane Geometry.

* Entrance Algebra and Plane Trigonometry.

* Course 1 or 2.

* Course 1 or 2, and Plane Analytic Geometry.

* Course 3, or equivalents.

* Analytic Geometry and Differential Calculus.

* Course 8, or equivalent.

* Course 13 or equivalent.

* Courses 8, 12, and 13.

* Thorough knowledge of Algebra, Plane Trigonometry and Analytic Geometry.

* Courses 8, 12, 13, and 15.

* Courses 8, 11, and 13.

* Courses 13 and 11, or equivalents.

* Courses 8 and 11, or equivalents.

* Course 23.

* Courses 22 and 17 or 18.

* Course 23 and Theory of Substitutions.

* Courses 11 and 22.

XVIII. ASTRONOMY.

R 35

SUMMER	AUTUMN	WINTER	SPRING
25 Determination of Orbits ¹ (<i>See</i>) DM 10:30; R 35	28 Astrophysical Research (<i>Hale</i>) DM	34 Astrophysical Research (<i>Hale</i>) DM	40 Astrophysical Research (<i>Hale</i>) DM
26 Mathematical Theory of the Heat of the Sun (<i>See</i>) DM 11:30; R 35	29 Theory of Attractions (<i>See</i>) DM	35 Gauss's Method of Determining Secular Variations (<i>See</i>) DM	41 Computation of Ephemerides ⁴ (<i>Laves</i>) DM
27 Seminar (<i>See</i>) Sat. 8:30; R 35	30 History of the Physical Sciences (<i>See</i>) DM	36 Introduction to Physical Astronomy ² (<i>See</i>) DM	42 Spherical Harmonics (<i>Laves</i>) DM
	31 General Astronomy ³ (<i>Laves</i>) DM	37 Determination of Orbits (<i>Laves</i>) DM	43 Seminar (<i>Laves</i>)
	32 Probability and Least Squares ¹ (<i>Laves</i>) DM	38 General Astronomy, continued (<i>Laves</i>) DM	
	33 Seminar (<i>See</i> and <i>Laves</i>)	39 Seminar (<i>See</i> and <i>Laves</i>)	

PREREQUISITES.

¹ Differential and Integral Calculus.

² Algebra, Trigonometry, and the Elements of Physics.

³ Differential Calculus.

⁴ Course 37, or its equivalent.

XIX. PHYSICS.
R

SUMMER	AUTUMN	WINTER	SPRING
<p>1 General Physics, Lectures¹ (<i>Wadsworth</i>) DM 10:30; R 7</p> <p>2 General Laboratory Practice² (<i>Wadsworth and Morrison</i>) DM Mon.-Fri. 1:30-4:30</p>	<p>1 General Physics, Lectures, continued¹ (<i>Stratton</i>) DM</p>	<p>1 General Physics,¹ (<i>Stratton</i>) DM</p> <p>2 General Laboratory Practice² (<i>Wadsworth</i>) DM</p>	<p>1 General Physics, continued¹ (<i>Stratton</i>) DM</p> <p>2 General Laboratory Practice² (<i>Wadsworth</i>) DM</p>
<p>4 Laboratory Practice, Advanced⁴ (<i>Wadsworth</i>) DM Mon.-Wed. 1:30-4:30</p> <p>8 Theory and Design of Scientific Instruments of Precision⁸ (<i>Wadsworth</i>) $\frac{1}{2}$DM Thurs. and Fri. 2:00; R 7</p> <p>12 Research Methods of Investigation¹² (<i>Wadsworth</i>) DM Mon., Wed., Fri. 11:30; R 7</p> <p>14 Special Graduate Laboratory¹⁴ (<i>Wadsworth</i>) DMM 10-20 hrs. a week</p>	<p>3 General Physics, Advanced³ (<i>Wadsworth</i>) DM</p> <p>4 Laboratory Practice, Advanced⁴ (<i>Wadsworth</i>) DM</p> <p>5 Projection Drawing and Line Shading (<i>Wadsworth</i>) DM</p> <p>7 Laboratory Methods (<i>Stratton</i>) DM</p> <p>9 Theory of Reduction of Observations⁹ (<i>Wadsworth</i>) $\frac{1}{2}$DM</p> <p>13 Research Course (<i>Michelson</i>) DMM</p> <p>14 Special Graduate Course¹⁴ (<i>Michelson</i>) DM</p> <p>15 Graduate Course¹⁵ (<i>Michelson and Stratton</i>) DM</p> <p>16 Spectrum Analysis (<i>Michelson</i>) $\frac{1}{2}$DM</p>	<p>3 General Physics, Advanced³ (<i>Michelson and Stratton</i>) DM</p> <p>4 Laboratory Practice, Advanced⁴ (<i>Wadsworth</i>) DM</p> <p>10 Curve Tracing and Graphical Solutions¹⁰ (<i>Wadsworth</i>) $\frac{1}{2}$DM</p> <p>11 Theory of Heat¹¹ (<i>Wadsworth</i>) DM</p> <p>13 Research Course, continued (<i>Michelson</i>) DMM</p> <p>14 Special Graduate Course, continued¹⁴ (<i>Michelson</i>) DM</p> <p>15 Graduate Course, continued¹⁵ (<i>Michelson and Stratton</i>) DM</p> <p>17 Velocity of Light (<i>Michelson</i>) $\frac{1}{2}$DM</p>	<p>3 General Physics, Advanced³ (<i>Michelson and Stratton</i>) DM</p> <p>4 Laboratory Practice, Advanced⁴ (<i>Stratton</i>) DM</p> <p>6 Electrical Measurements (<i>Stratton</i>) DM</p> <p>8 Design and Construction of Instruments of Precision⁸ (<i>Wadsworth</i>) DM</p> <p>12 Research Methods of Investigation¹² (<i>Wadsworth</i>) DM</p> <p>13 Research Course, continued (<i>Michelson</i>) DMM</p> <p>14 Special Graduate Course continued¹⁴ (<i>Michelson</i>) DM</p> <p>15 Graduate Course, continued¹⁵ (<i>Michelson and Stratton</i>) DM</p> <p>18 Application of Interference Methods (<i>Michelson</i>) $\frac{1}{2}$DM</p>

REMARKS.

Courses 1 and 2 are for the Academic College students.

Course 9 is given in Summer Quarter as $\frac{1}{2}$ DM in connection with Course 4.

PREREQUISITES.

¹ Plane Trigonometry.

² First Quarter of General Physics.

³ Differential and Integral Calculus.

⁴ Differential and Integral Calculus, and Course 2.

⁵ Projection Drawing and Line Shading, and Course 3.

⁶ Two Quarters of Differential and Integral Calculus.

⁷ Differential and Integral Calculus, and Course 9.

⁸ Course 3.

XX. CHEMISTRY.

K

SUMMER	AUTUMN	WINTER	SPRING
2 General Chemistry ¹ (Lengfeld) MM First Term 10:30-12:30; Laboratory: Mon.-Thurs. 2:00-6:00; K 10	1a General Chemistry ¹ * (Smith) DM First Term: Mon.-Fri. 11:30 Second Term: Mon.-Wed. 11:30 Laboratory: Wed.-Fri. 2:00-6:00	1a General Chemistry ¹ * (Smith) DM Mon.-Wed. 11:30 Laboratory: Wed.-Fri. 2:00-6:00	1b General Chemistry ⁴ (Lengfeld) DM First Term: Mon.-Fri. 11:30 Second Term: Mon.-Wed. 11:30 Laboratory: Wed.-Fri. 2:00-6:00
5 Qualitative Analysis ² * (Lengfeld and Stieglitz) DM or DMM	4 Qualitative Analysis ² * * * * (Stieglitz and Bernhard) DM or DMM	4 Qualitative Analysis ² * * * * (Stieglitz and Bernhard) DM or DMM	3 General Chemistry ² * * (Smith) DM
7 Quantitative Analysis ² * (Lengfeld and Stieglitz) DM or DMM	6 Quantitative Analysis ² * * * * (Stieglitz) DM or DMM	6 Quantitative Analysis ² * * * * (Stieglitz) DM or DMM	4 Qualitative Analysis ² * * * * (Stieglitz and Bernhard) DM or DMM
10 Organic Chemistry ⁷ (Curtiss) DMM Mon.-Sat. 8:30	9 Organic Chemistry ⁷ (Nef) DM Thurs.-Sat. 11:30	9 Organic Chemistry ⁷ (Nef) DM Thurs.-Sat. 11:30	6 Quantitative Analysis ² * * * * (Stieglitz) DM or DMM
14 Advanced Inorganic Work ² * (Lengfeld) M or MM	13 Advanced Inorganic Work ² * (Smith) DM or DMM	18 Organic Preparations ² * * * (Nef) DM or DMM	9 Organic Chemistry ⁷ (Nef) M First Term Thurs.-Sat. 11:30
19 Organic Preparations ² * (Curtiss) DM or DMM	20 Research ² (All Instructors) DMM	20 Research ² (All Instructors) DMM	11 Advanced Inorganic Chemistry ² * (Smith) ½ DM
20 Research ² (Nef and Stieglitz) DMM	21 Journal Meeting (Nef) Fri. 4:30	21 Journal Meeting ² (Nef) Fri. 4:30	13 Advanced Inorganic Work ² * (Smith) DM or MM
25 Special Organic Chemistry ⁷ (Nef) ½ M Second Term Fri. and Sat. 11:30	18 Organic Preparations ² * (Nef) DM or DMM	24 Organic Nitrogen Derivatives ² (Stieglitz) ½ DM Mon. and Thurs. 8:30	18 Organic Preparations ² (Nef) M or MM First Term
	20 Research ² (All Instructors) DMM	27 Coal Tar Colors ² (Ikuta) ½ DM	20 Research ² (All Instructors) DMM
	21 Journal Meeting (Nef) Fri. 4:30	28 Gas Analysis ² * (Stieglitz) DM	
	23 Carbohydrates ² (Stieglitz) ½ DM Wed. and Thurs. 8:30		
	27 Coal Tar Colors ² (Ikuta) ½ DM		

PREREQUISITES.

- ¹ College Physics.
² Organic Chemistry.
³ Laboratory Work.
⁴ Repeated.

- ⁵ Continued.
⁶ General Chemistry.
⁷ Qualitative Analysis.
⁸ Quantitative Analysis.

XXI. GEOLOGY.*

SUMMER	AUTUMN	WINTER	SPRING
9 Geographic Geology ⁴ (Chamberlin) MM First Term 9:30-11:30	1 Physiography (Salisbury) DM 9:30	1 Physiography, repeated (—) DM 9:30	3 Descriptive Mineralogy, continued ² (Iddings) M First Term 9:30
29 Field Class in Geology (Chamberlin) MM and M Second Term†	2 Geometrical and Physical Crystallography ¹ (Iddings) DM 9:30	2 Geometrical and Physical Crystallography, ¹ continued (Iddings) M First Term 9:30	4 Determinative Mineralogy (Farrington) M Second Term 9:30
30 Professional Geology	6 Petrography (Iddings) DM or DMM	3 Descriptive Mineralogy ² (Iddings) M Second Term 9:30	5 Petrology (Iddings) DM
31 Independent Field Work†	9 Geographic Geology ⁴ (Salisbury) DM or DMM 11:30	6 Petrography, continued (Iddings) DM or DMM	6 Petrography, continued (Iddings) DM or DMM
	10 Laboratory Work in Geographic Geology ⁵ (Salisbury) M Second Term	11 Structural Geology and Continental Evolution ⁶ (Salisbury) DM or DMM 11:30	7 Petrology ² (Iddings) ½ DM or ½ DMM
	17 Introduction to Palæontologic Geology ¹¹ (—) DM or DMM	12 General Geology (Salisbury) DM or DMM 9:30	16 Geologic Life Development ¹⁰ (Chamberlin) DM 10:30
	19 Special Palæontologic Geology ¹² (—) DM or DMM	13 Dynamic Geography ⁷ (Salisbury) M, DM or DMM	18a Palæontologic Geology, Mesozoic Life ¹² (—) DM or DMM
	24 Principles and Working Methods of Geology ¹³ (Chamberlin) DM or DMM 10:30	14 Economic Geology ⁸ (Penrose) DM 8:30	19 Special Palæontologic Geology, continued ¹² (—) DM or DMM
	25 Special Geology (Chamberlin) ½ DM or ½ DMM	15 The Chemistry of Ore Deposits ⁹ (Penrose) DM	22 Archæologic Geology (Holmes) ¼ DM Fri. 2:00
	26 Local Field Geology (Chamberlin and Salisbury)	18 Palæontologic Geology, Palæozoic Life ¹² (—) DM or DMM	23 Graphic Geology (Holmes) ¼ DM Fri. 3:00
	27 General Seminar (Chamberlin)	19 Special Palæontologic Geology, continued ¹² (—) DM or DMM	25 Special Geology, continued (Chamberlin) ½ DM or ½ DMM
		20 Pre-Cambrian Geology (Van Hise) M First Term	26 Local Field Geology (Chamberlin and Salisbury)
		21 Laboratory Course in Pre-Cambrian Geology (Van Hise) M First Term	27 General Seminar, continued (Chamberlin)
		24 Principles and Working Methods of Geology, continued ¹² (Chamberlin) M or MM First Term 10:30	
		25 Special Geology, continued (Chamberlin) ½ DM or ½ DMM	
		27 General Seminar, continued (Chamberlin)	
		28 Seminar in Glacial Geology (Chamberlin) Second Term 10:30	

REMARKS.

* All courses at the University are given in Walker Museum (=W), 2d floor, Lecture-room or Laboratory.

† Location of field work to be selected later.

Course 1 is mainly for the Academic College Students.

Courses 12 and 27 open to Academic College Students only by special permission.

Courses 7, 8, 13, 20, 21, 24, 25, 28, 30 and 31 are primarily for Graduate Students.

PREREQUISITES.

¹ Physics and Inorganic Chemistry.

² Course 2.

³ Course 6.

⁴ Course 1, Elementary Geology, Chemistry and Physics.

⁵ Open to members of Course 9 only.

⁶ Course 9; Elementary Mineralogy and Petrology desirable.

⁷ Courses 9 and 11, or equivalents.

⁸ Courses 4 and 11; also Inorganic Chemistry and Physics.

⁹ Courses 5, 6 and 14.

¹⁰ Systematic Zoology and Botany, and Courses 11 or 12.

¹¹ Zoology and General Geology.

¹² Course 17.

¹³ Courses 9 and 11, or their equivalents, the Elements of Mineralogy and Petrology, and their antecedents.

XXII. ZOOLOGY.

K 14, 22, and 37

SUMMER	AUTUMN	WINTER	SPRING
5a Marine Biology, at Wood's Holl (<i>Whitman</i>) DMM	1 Embryology—Research ¹ (<i>Whitman</i>) DMM 9:00-4:00, daily; K 22	3 Embryology—Research ¹ (<i>Whitman</i>) DMM 9:00-4:00, daily; K 22	5 Embryology—Research ¹ (<i>Whitman</i>) DMM 2:00-4:00, daily; K 22
9b General Elementary Zoology (<i>Wheeler</i>) DMM First Term Mon.-Thurs. 9:30-12:30; K 37 Vertebrate Embryology (<i>Wheeler</i>) DMM Second Term Mon.-Thurs. 9:30-12:30; K 37	2 Seminar—Historical (<i>Whitman</i>) DM Tues. 4:00-5:00 6 Anatomy and Physiology of the Cell (<i>Watasé</i>) DM Fri. 9:30-5:00; K 37 8a Visual Organs—Research (<i>Watasé</i>) DM or DMM	4 Seminar—Historical (<i>Whitman</i>) DM Tues. 4:00-5:00 7 Anatomy and Physiology of the Cell (<i>Watasé</i>) DM Fri. 9:30-5:00; K 37 8a Visual Organs—Research (<i>Watasé</i>) DM or DMM	8 Anatomy and Physiology of the Cell (<i>Watasé</i>) DM Fri. 9:30-5:00; K 37 8a Visual Organs—Research (<i>Watasé</i>) DM or DMM
16 Special Bacteriology (<i>Jordan</i>) Second Term M or MM 2:00-4:00; K 14	9 Comparative Anatomy of Vertebrates (<i>Wheeler</i>) DMM Mon.-Thurs. 9:30-12:30; K 37 10a Entomology—Research ² (<i>Wheeler</i>) DM or DMM 9:00-4:00, daily; K 37	14 Special Bacteriology ⁴ (<i>Jordan</i>) DM or DMM Tues. and Thurs. 2:00-5:00; K 14 15 General Biology, continued ⁵ (<i>Jordan</i>) DM Wed. 9:30-10:30; 2:00-5:00; K 14	10c Entomology—Research ² (<i>Wheeler</i>) DM or DMM 9:00-4:00, daily; K 37 11 Vertebrate Embryology ³ (<i>Wheeler</i>) DMM Mon.-Thurs. 9:30-12:30; K 37
18 General Bacteriology (<i>Jordan</i>) M or MM Second Term 10:30-11:30; 2:00-4:00; K 14	12 Special Bacteriology ⁴ (<i>Jordan</i>) DM or DMM Tues. and Thurs. 2:00-5:00; K 14 13 General Biology ⁶ (<i>Jordan</i>) DM Wed. 9:30-10:30; 2:00-5:00; K 14	17 General Bacteriology (<i>Jordan</i>) $\frac{1}{2}$ DM Mon. and Fri. 10:30-11:30 19 Heredity and Evolution (<i>Wyld</i>) DM	19 Heredity and Evolution (<i>Wyld</i>) DM 20 Seminar (<i>Wyld</i>) DM
19 Heredity and Evolution (<i>Wyld</i>) M First Term 3:00; W 3d Floor	19 Heredity and Evolution (<i>Wyld</i>) DM 20 Seminar (<i>Wyld</i>) DM	20 Seminar (<i>Wyld</i>) DM	

PREREQUISITES.

¹ The elementary and advanced courses in General Biology, Embryology, Anatomy, and Histology.

² The elementary courses.

³ General Biology, Histology, and Comparative Anatomy of Vertebrates.

⁴ The elementary courses and general Bacteriology.

⁵ Courses 9b, 13 and 15 are Academic College Courses.

XXIII. ANATOMY AND HISTOLOGY.
K 37

<i>SUMMER</i>	<i>AUTUMN</i>	<i>WINTER</i>	<i>SPRING</i>
7 Histological Methods¹ <i>(Eycleshymer)</i> MM First Term Lecture: Thurs. 8:30 Laboratory: Mon., Thurs., Fri. 2:00-5:00; K 37	1 Mammalian Anatomy <i>(Eycleshymer)</i> M First Term Lecture: Day and hour to be arranged Laboratory: Thurs., Fri. 2:00-5:00	3 Elements of Histology[*] <i>(Eycleshymer)</i> M First Term Lecture: Day and hour to be arranged. Laboratory: Thurs., Fri. 2:00-5:00	6 Mammalian Anatomy, continued <i>(Eycleshymer)</i> DM Lectures and Laboratory
8 Elements of Histology <i>(Eycleshymer)</i> MM Second Term Lecture: Thurs. 8:30 Laboratory: Mon., Thurs., Fri. 2:00-5:00; K 37	2 Histological Methods¹ <i>(Eycleshymer)</i> MM Second Term Lecture: Day and hour to be arranged Laboratory: Mon., Thurs., Fri. 2:00-5:00	4 Elements of Histology,[*] continued <i>(Eycleshymer)</i> M Second Term Lecture: Day and hour to be arranged Laboratory: Thurs., Fri. 2:00-5:00	5 Mammalian Anatomy <i>(Eycleshymer)</i> DM Lectures and Laboratory

PREREQUISITES.

¹ Elementary Chemistry and Course 1.^{*} Courses 1 and 2.^{*} Course 3.

XXIV. PHYSIOLOGY.
R 34

<i>SUMMER</i>	<i>AUTUMN</i>	<i>WINTER</i>	<i>SPRING</i>
1 Physiology: Research work (<i>Loeb</i>) Wood's Holl DMM	4 Original Investigation¹ <i>(Loeb)</i> DMM 9:30; R 34	4 Original Investigation¹ <i>(Loeb)</i> DMM 9:30; R 34	4 Original Investigation¹ <i>(Loeb)</i> DMM 9:30; R 34
2 Physiology: Laboratory work (<i>Lingle</i>) MM First Term 2:00-5:00; R 34	5 Advanced Physiology[*] <i>(Loeb)</i> DM or DMM 2:00; R 34	5 Advanced Physiology,[*] continued <i>(Loeb)</i> DM or DMM 2:00; R 34	5 Advanced Physiology,[*] continued <i>(Loeb)</i> DM or DMM 2:00; R 34
3 Introductory Physiology⁴ <i>(Lingle)</i> MM Second Term 2:00-5:00; R 34	6 General Physiology[*] <i>(Loeb)</i> DM Mon., Wed., Thurs., Sat. 10:30; R 34	9 Comparative Physiology[*] <i>(Loeb)</i> DM Mon., Wed., Thurs., Sat. 10:30; R 34	12 Physiology of Sense Organs[*] (<i>Loeb</i>) DM Mon., Wed., Thurs., Sat. 10:30; R 34
	7 Introductory Physiology⁴ repeated (<i>Lingle</i>) DM Mon., Fri. 2:00; R 34	10 General Laboratory Work, Chemical Part <i>(Lingle)</i> DM Mon.-Wed. 2:00-5:00; R 34	13 General Laboratory Work,[*] Physical Part <i>(Lingle)</i> DM Mon.-Wed. 2:00-5:00; R 34
	8 Physiology of Circulation[*] (<i>Lingle</i>) $\frac{1}{2}$ DM Tues. 10:30; R 34	11 Physiology of Digestion, Secretion and Metabolism[*] (<i>Lingle</i>) DM Lecture: Tues. 10:30 Laboratory: Mon.-Wed. 2:00-5:00	

PREREQUISITES.

¹ Course 5.^{*} Courses 6, 8, 11, 12, and 13, and reading knowledge of French and German.^{*} General Physics, General Chemistry, Elementary Biology, Elementary Anatomy and Histology, Introductory Physiology.⁴ Courses 3 and 7 are Academic College Courses.

XXV. NEUROLOGY.

K 42

SUMMER	AUTUMN	WINTER	SPRING
Neurological Problems (Donaldson) DMM	Neurological Problems (Donaldson) DMM	Neurological Problems (Donaldson) DMM	Neurological Problems (Donaldson) DMM
5 Development of Central Nervous System ¹ (Don- aldson) DM Lecture: Thurs. 8:30 Laboratory Work: Thurs. and Fri. 2:00-5:00; K 42	1 Architecture of Central Nervous System ¹ (Don- aldson) DM Lecture: Thurs. 8:30 Laboratory Work: Thurs. and Fri. 2:00-5:00; K 42	2 Growth of Brain ¹ (Don- aldson) M First Term Lecture: Thurs. 8:30 Laboratory Work: Thurs. and Fri. 2:00-5:00; K 42	4 Localization of Func- tion in Cerebral Cortex ¹ (Donaldson) DM Lecture: Thurs. 8:30 Laboratory Work: Thurs. and Fri. 2:00-5:00; K 42
6 Seminar ⁴ (Donaldson) DM Fri. 8:30-10:30; K 42	6 Seminar ⁴ (Donaldson) DM Fri. 8:30-10:30; K 42	3 Sense Organs ¹ (Donald- son) M Second Term Lecture: Thurs. 8:30 Laboratory Work: Thurs. and Fri. 2:00-5:00; K 42	6 Seminar ⁴ (Donaldson) DM Fri. 8:30-10:30; K 42
		6 Seminar ⁴ (Donaldson) DM Fri. 8:30-10:30; K 42	7 Introduction to Comp. Anat. of Nervous Sys- tem (Meyer) $\frac{1}{2}$ DM Fri. 3:00-5:00

PREREQUISITES.

¹ General Histology.¹ General Histology and Embryology.² General Histology and Elementary Physiology.⁴ Work in Neurology for at least one Quarter.

XXVI. PALÆONTOLOGY.

W 3d floor

SUMMER	AUTUMN	WINTER	SPRING
5 Research in Osteology ¹ (Baur) MM First Term Mon.-Fri. 8:30-12:30; 2:00-5:00	1 Vertebrate Zoölogy and Palæontology ¹ (Baur) $\frac{1}{2}$ DM	2 Comparative Osteology ¹ (Baur) $\frac{1}{2}$ DM	2 Comparative Oste- ology, ¹ continued (Baur) $\frac{1}{2}$ DM
6 Human Osteology (Baur) M First Term Fri. 7:30; Sat. 7:30-10:30	3 Seminar in Phylogeny (Baur) $\frac{1}{2}$ DM	3 Seminar in Phylogeny (Baur) $\frac{1}{2}$ DM	3 Seminar in Phylogeny (Baur) $\frac{1}{2}$ DM
7 General Morphology of the Vertebrate Skeleton ⁴ (Baur) M First Term Lectures: Mon. and Tues. 7:30 Laboratory: Wed. 3:00-5:00	5 Research in Osteology ¹ (Baur) DMM	4 Laboratory Work (with 2)	4 Laboratory Work, con- tinued (with 2)
8 Systematic Phylogeny of Vertebrates ¹ (Baur) M First Term Wed. and Thurs. 7:30		5 Research in Osteology, continued ¹ (Baur) DMM	5 Research in Oste- ology, ¹ continued (Baur) DMM
9 Palæontological Field Work (Baur) M Second Term		6 Human Osteology (Baur) M Second Term	6 Human Osteology, con- tinued (Baur) M First Term

PREREQUISITES.

¹ Elementary Zoölogy.² Outlines of Vertebrate Zoölogy and Palæontology, Comparative Anatomy, Embryology, Geology.³ Comparative Osteology and Phylogeny of Vertebrates.⁴ Elements of Comparative Anatomy.⁵ Elementary Zoölogy of Vertebrates.

Course 1 is an Academic College Course.

XXVII. BOTANY.

W 3d floor

SUMMER	AUTUMN	WINTER	SPRING
4 Morphology of Cryptogams¹ (Davis) DM Lectures: Tues. and Fri. 11:30 Laboratory: Mon. and Thurs. 2:00-5:00	1 Special Morphology¹ (Coulter) M 3 Advanced Laboratory Work¹ (Coulter) DM or DMM 6 Elementary General Morphology² (Davis) DM	1 Special Morphology,¹ continued (Coulter) First Term 2 Special Physiology of Plants¹ (Coulter) Second Term 3 Advanced Laboratory Work¹ (Coulter) DM or DMM 6 Elementary General Morphology,² continued (Davis) DM	2 Special Physiology of Plants,¹ continued (Coulter) M 3 Advanced Laboratory Work¹ (Coulter) DM or DMM 6 Elementary General Morphology,² continued (Davis) DM
5 Plant Evolution² (Clarke) DM Laboratory and Lectures: Tues. and Fri. 2:00-5:00 Wed. 2:00-4:00			
7 Elementary Systematic Botany² (Clarke) MM First Term MM Second Term, repeated and continued Tues., Wed., Fri., Sat. 8:30-11:30			

PREREQUISITES.

¹ The equivalent of Course 6.² At least the equivalent of Course 7.³ None. Open to all students.

XXVIII. ELOCUTION.

K Theatre

Special announcements will be made in the AUGUST CALENDAR.

XXIX. PHYSICAL CULTURE.

Class Work in Physical Culture is required of all undergraduate students not excused on account of physical disability, during four half-hours a week. Six Quarters' work in Physical Culture is required of Academic College students and four Quarters of University College students. Students taking an excessive number of cuts will not be allowed to continue their University work until they shall conform to the requirements. Students are given choice of hour and course. Courses are offered in prescriptive work, general class drills, and athletic training. Each course is so arranged that those who take part in it

receive work which tends to symmetrical development.

Students will select their period for class work from the following: Men—8:45, 9:45, 10:45, 11:45 A.M. 5:15 P.M. Women—9:45 A.M., 11:45 A.M., 2:15 and 3:15 P.M. Training for any of the University Athletic Teams will be accepted as an equivalent for gymnasium work.

A period lasts one-half hour and comes on Tuesday, Wednesday, Thursday, and Friday of each week. Bulletins containing appointments for physical examination and departmental communications will be posted.

ANNOUNCEMENT OF COURSES OFFERED BY THE FACULTY OF THE DIVINITY SCHOOL.

JULY 1, 1895, TO JULY 1, 1896.

NOTE.—The following is a list of the titles of courses to be given in the Divinity School from July 1, 1895, to July 1, 1896.

For a complete description of the courses consult the **ANNUAL REGISTER**, the **DIVINITY SCHOOL CIRCULAR OF INFORMATION** and the **DEPARTMENTAL PROGRAMMES**.

SPECIAL NOTICE.—The hour and place of the exercises are printed in **bold-face type** after the title of the Course. The number at the head of each Course indicates its number in Register and Programme.

ABBREVIATIONS.—A, B, C, D refer to the floors in Cobb Lecture Hall, beginning with the ground floor as A. The rooms are numbered.

The abbreviations used in the description of the courses are: **M**—Minor, **DM**—Double Minor, **MM**—Major, **DMM**—Double Major

REGISTRATION.—Students in residence must register for the Summer Quarter on or before Saturday, June 8; the registration card may be obtained from the Dean. The student will, (1) write upon the card the title and number of the courses which he desires to take; (2) secure the signatures of the instructors giving these courses together with the endorsement of the head or acting head of the department in which his principal work is done; (3) deposit the same in the office of the Dean, and (4) receive from the Dean a class-ticket.

Students entering the University for the first time or resuming work after an absence of a Quarter or a Term must register on or before Tuesday, July 2.

On registration the student's card will in every case be countersigned by the Registrar. A registration fee of \$5.00 will be paid at that time. This fee will be remitted if registration is effected on or before the assigned dates.

THE GRADUATE DIVINITY SCHOOL.

LXI. OLD TESTAMENT LITERATURE AND INTERPRETATION.

Departments XLI. and VIII. are identical. The courses offered in both are the same.

HEBREW.

SUMMER	AUTUMN	WINTER	SPRING
2-3 Beginners' Hebrew (<i>Harper W. R. and Breasted</i>) MM First Term MM Second Term 8:30 and 2:00; D 15	7 Books of Chronicles (<i>Crandall</i>) M Second Term	8 Deuteronomy—Sight Reading (<i>Crandall</i>) $\frac{1}{2}$ M First Term	1 Beginners' Hebrew (<i>Harper W. R. and Crandall</i>) MM First Term
4 Samuel (<i>Harper R. F.</i>) M First Term 10:30; D 13	9c Books of Judges (<i>Crandall</i>) DM	14 Jeremiah—Sight Reading (<i>Crandall</i>) $\frac{1}{2}$ M Second Term	5 Books of Kings (<i>id.</i>) MM Second Term
5b Kings (<i>Harper R. F.</i>) M Second Term 10:30; D 13	25 Book of Job (<i>Hirsch</i>) M Second Term	15 Jeremiah (<i>Price</i>) M First Term	6 Books of Kings (<i>Kent</i>) First Term M
8 Hebrew Sight Reading— Deuteronomy (<i>Crandall</i>) $\frac{1}{4}$ M Second Term 10:30; D 6	34 History of Antiquity (<i>Goodspeed</i>) DM	16 Ezekiel (<i>Price</i>) M Second Term	11 Isaiah i-xxxix (<i>Price</i>) M First Term
8b Hebrew Sight Reading— Samuel (<i>Crandall</i>) $\frac{1}{2}$ M Second Term 11:30; D 6	39 Old Testament Prophecy (<i>Harper W. R.</i>) DM	31 Introduction to the History of the Hebrew Monarchy (<i>Goodspeed</i>) DM	13 Isaiah xl-lxvi (<i>Price</i>) M Second Term
8c Hebrew Sight Reading— Kings (<i>Breasted</i>) $\frac{1}{2}$ M First Term 11:30; D 15	43 History of the Canon and Text of the Old Testament (<i>Price</i>) DM	45 Development of Old Testament Literature (<i>Harper W. R.</i>) DM	35 Contemporary History of the Old Testament—Egypt, Babylonia, Assyria (<i>Goodspeed</i>) DM
9b Deuteronomy (<i>Breasted</i>) M Second Term 11:30; D 15			44 General Introduction to Textual Criticism of Old Testament (<i>Hirsch</i>) DM
22 Minor Prophets, Babylonian Period (<i>Harper W. R.</i>) M First Term 7:30; D 15			51 Development of Old Testament Theological Ideas (<i>Harper W. R.</i>) DM
22b Minor Prophets, Post-exilic (<i>Harper W. R.</i>) M Second Term 7:30; D 15			52 Modern Discoveries and Old Testament (<i>Price</i>) DM
34 History of Antiquity (<i>Goodspeed</i>) MM Second Term 10:30-12:30; D 16			
94 Advanced Hebrew Grammar—Etymology (<i>Harper W. R.</i>) M First Term 9:30; D 15			
95 Advanced Hebrew Grammar—Syntax (<i>Harper W. R.</i>) M Second Term 9:30; D 15			

XLI. OLD TESTAMENT LITERATURE AND INTERPRETATION.—*Continued.*

ARAMAIC, RABBINIC, SYRIAC, SAMARITAN, MANDAIC, AND PHOENICIAN.

SUMMER	AUTUMN	WINTER	SPRING
55 General Introduction to Rabbinic Literature and Life (<i>Hirsch</i>) M Second Term 9:30; D 16	60 Talmud (<i>Hirsch</i>) Rabbinical Seminar	61 Civil and Criminal Legislation of Talmud (<i>Hirsch</i>) M First Term	64 Talmudical Analogies to the New Testament (<i>Hirsch</i>) M First Term
63 History of Jewish Sects (<i>Hirsch</i>) M First Term 9:30; D 16	62 Rabbinical Commentaries on Genesis (<i>Hirsch</i>) M First Term	65 Rabbinical Philosophy (<i>Hirsch</i>) DM	
	68 Beginners' Syriac (<i>Harper R. F.</i>) DM	66 Biblical Aramaic (<i>Price</i>) M Second Term	
		69 Advanced Syriac (<i>Harper R. F.</i>) DM	
		99 Mandaic (<i>Hirsch</i>) M Second Term	

ASSYRIAN, ARABIC, ETHIOPIC, EGYPTIAN, COPTIC AND COMPARATIVE WORK.

SUMMER	AUTUMN	WINTER	SPRING
71 Assyrian Language (<i>Harper R. F.</i>) DM 8:30; D 13	76 Babylonian Historical Inscriptions (<i>Harper R. F.</i>) DM	79 Assyrian Syllabaries and Mythological Inscriptions (<i>Harper R. F.</i>) DM	76b Early Babylonian Inscriptions (<i>Price</i>) DM
73 Early Historical Inscriptions (<i>Harper R. F.</i>) DM 9:30; D 13	82 Earliest Unilingual Inscriptions (<i>Price</i>) Seminar DM	89 Arabic Poetry (<i>Harper W. R.</i>) DM	93 Philosophical Literature of the Arabs (<i>Hirsch</i>) DM
87 Earlier Suras of Quran (<i>Harper W. R.</i>) M First Term 10:30; D 15	88 Later Suras (<i>Harper W. R.</i>) DM	100 Ethiopic (<i>Harper W. R.</i>) M First Term	103 Semitic Seminar 2 (<i>Harper W. R.</i>) DM
90 Arabic 1001 Nights (<i>Hirsch</i>) M First Term	103 Semitic Seminar 2 (<i>Harper W. R.</i>) 3DM Autumn to Spring Quarter	103 Semitic Seminar 2 (<i>Harper W. R.</i>) DM	105 Comparative Lexical Study of South Semitic Languages (<i>Price</i>) Seminar DM
91 Arabic Geography, History and Commentary (<i>Harper W. R.</i>) M Second Term 10:30; D 15	106 Elementary Egyptian (<i>Breasted</i>) DM	104 Comparative Lexical Study North Semitic Languages (<i>Price</i>) Seminar	108 Late Egyptian (<i>Breasted</i>) DM
93 Philosophical Literature of Arabians (<i>Hirsch</i>) M Second Term	113 Elementary Coptic (<i>Breasted</i>) DM	107 Egyptian Texts of Classic Period (<i>Breasted</i>) DM	115 Coptic Reading, Bohairic Texts (<i>Breasted</i>) M Second Term
101 Advanced Ethiopic (<i>Hirsch</i>) M First Term		114 Coptic Reading, Sahidic Texts (<i>Breasted</i>) DM	
106 Elementary Egyptian (<i>Breasted</i>) DM			

XLII. NEW TESTAMENT LITERATURE AND INTERPRETATION.

Departments XLII. and IX. are identical. The Courses offered in both are the same.

SUMMER	AUTUMN	WINTER	SPRING
2 New Testament Greek (<i>Votaw</i>) MM First Term 8:30 and 2:00; D 16	4 Rapid Reading in the New Testament (<i>Votaw</i>) DM 11:30; D 16	1 New Testament Greek (<i>Burton</i>) DM	43 Origin of the Septu- agint* (<i>Arnolt</i>) DM
7 Greek Palæography (<i>Gregory</i>) M Second Term 7:30; D 16	10 New Testament Times in Palestine (<i>Mathews</i>) DM 9:30; D 15	13 History of the Apostolic Church (<i>Mathews</i>) DM	58 History of Criticism of the Gospels (<i>Arnolt</i>) DM
9 New Testament Textual Criticism (<i>Gregory</i>) M Second Term 8:30; D 16	11 New Testament Times in Græco-Roman World (<i>Mathews</i>) DM 10:30; D 15	28 John (<i>Burton</i>) DM	60 History of Interpre- tation (<i>Mathews</i>) DM
15b Social History of New Testament Times (<i>Mathews</i>) M First Term 9:30; D 6	25 Matthew ¹ (<i>Burton</i>) DM 10:30; D 2	29 Acts (<i>Mathews</i>) DM	
34 Philippians (<i>Burton</i>) M Second Term 9:30; D 2	40 New Testament Quota- tions* (<i>Burton</i>) DM 9:30; D 2	48 Philo (<i>Arnolt</i>) M First Term	
45 Psalms and Ecclesiastes in Greek* (<i>Arnolt</i>) M First Term 7:30; D 16	53 Sub-apostolic Greek Literature (<i>Arnolt</i>) DM 9:30; D 16	54 New Testament Apoc- rypha (<i>Arnolt</i>) M First Term	
	55 Christian Literature to Eusebius (<i>Arnolt</i>) DM 8:30; D 16	B4 Teaching of Jesus (<i>Mathews</i>) DM	

REMARKS.

Courses 1 (or 2) and 10 are prescribed for students of the first year in the Graduate Divinity School.
Course 25 is prescribed for students of the second year in the Graduate Divinity School.

PREREQUISITES.

¹ Course 1 or 2.

* Courses 1 (or 2); 25 (or 27); and a knowledge of Hebrew.

* A knowledge of Hebrew.

XLIII. BIBLICAL THEOLOGY.

A—Old Testament; B—New Testament.

SUMMER	AUTUMN	WINTER	SPRING
	A39 Old Testament Prophecy (<i>Harper</i> W. R.) DM	A45 The Development of the Old Testament Literature (<i>Harper</i> W. R.) DM	A51 The Development of Old Testament Theological Ideas (<i>Harper</i> W. R.) DM
		B4 Teaching of Jesus in Relation to the Thought of his Day (<i>Mathews</i>) DM	B2 Theology of the Gospel of John; ¹ a Seminar (<i>Burton</i>) MM First Term
			B5 Sociological Ideas of the Apostolic Age; a Seminar (<i>Mathews</i>) DM

PREREQUISITE.

¹ Course 28 (The Gospel of John) in Department XLII-IX.

XLIV. SYSTEMATIC THEOLOGY.

SUMMER	AUTUMN	WINTER	SPRING
2 Theology Proper (<i>Northrup</i>) M First Term 9:30; D 2	3 Philosophical Apologetics (<i>Foster</i>) DM	6 The Doctrine of the Bible (<i>Northrup</i>) DM	9 The Doctrine of God (<i>Northrup</i>) DM
7 Philosophy and the Christian Religion (<i>Northrup</i>) M First Term 11:30; D 2	11 Anthropology; The Christian Doctrine of Sin (<i>Foster</i>) DM	15 Eschatology (<i>Foster</i>) DM	18 Christian Ethics (<i>Foster</i>) DM
Agnosticism (<i>Bruce</i>) 12 Lectures, Second Term	13 Christology (<i>Northrup</i>) DM	19 Seminar, Christology, continued (<i>Northrup</i>) DM	19 Seminar, Christology, continued (<i>Northrup</i>) DM
Historical Foundations of the Faith (<i>Bruce</i>) 12 Lectures, Second Term	19 Seminar, Christology (<i>Northrup</i>) DM	20 Seminar, Development of Protestant Theology since Kant, continued (<i>Foster</i>) DM	21 Seminar, The Theology of Ritschl and his School (<i>Foster</i>) DM
	20 Seminar, Development of Protestant Theology since Kant (<i>Foster</i>) DM		

REMARKS.

Courses 3, 11, 13, are Required Courses.

XLV. CHURCH HISTORY.

SUMMER	AUTUMN	WINTER	SPRING
1 Ancient Church History (<i>Hulbert</i>) M Second Term 9:30; D 6	5 Conversion of Northern and Western Europe (<i>Hulbert</i>) DM	3 From Constantine to Theodosius (<i>Hulbert</i>) DM	13 Preparation in England and Bohemia for the Reformation (<i>Moncrief</i>) DM
13 Preparation in England and Bohemia for the Reformation (<i>Moncrief</i>) First Term 10:30; D 6	14 Forerunners of the Reformation in Italy (<i>Moncrief</i>) DM	7 From Charles the Great to Boniface VIII. (<i>Moncrief</i>) DM	18 Swiss Reformation (<i>Johnson</i>) DM
15 Reformation Period (<i>Moncrief</i>) First Term 11:30; D 6	21 Philosophy of History A Seminar (<i>Moncrief</i>) DM	51 History of Doctrines (<i>Johnson</i>) DM	20 French Reformation (<i>Moncrief</i>) DM
32 English Church History under the Tudors (<i>Hulbert</i>) M Second Term 8:30; D 6	30 English Church History from Norman Conquest to Age of Wiclif A Seminar (<i>Hulbert</i>) DM	57 Christian Missions in 16th, 17th, and 18th Centuries (<i>Hulbert</i>) DM	22 The Counter Reformation (<i>Johnson</i>) DM
	63 The English Baptists A Seminar (<i>Hulbert</i>) DM		58 Christian Missions in the 19th Century (<i>Hulbert</i>) DM

XLVI. HOMILETICS, CHURCH POLITY AND PASTORAL DUTIES.

AUTUMN	WINTER	SPRING
1 Homiletics (<i>Anderson and Johnson</i>) DM	2 Plans and Sermons (<i>Anderson and Johnson</i>) DM	4 Church Polity and Pastoral Duties (<i>Anderson</i>) DM
3 History of Preaching (<i>Anderson</i>) DM	6 Masterpieces of Pulpit Eloquence (<i>Anderson</i>) DM	5 Hymnology (<i>Anderson</i>) DM

VI. SOCIOLOGY.

AUTUMN	WINTER	SPRING
14 Seminar (<i>Henderson</i>) DM Tues. 4:00- 6:00; C 2	14 Seminar (<i>Henderson</i>) DM Tues. 4:00-6:00; C 2	14 Seminar (<i>Henderson</i>) DM Tues. 4:00-6:00; C 2
15 Organized Christianity (<i>Henderson</i>) M Second Term 2:00; C II	16 Dependents and Defectives (<i>Henderson</i>) M Second Term 2:00; C II	17 Crime and Criminals (<i>Henderson</i>) M First Term 2:00; C II
18 The Family (<i>Henderson</i>) M First Term 2:00; C II	31 American Rural Life (<i>Henderson</i>) M First Term 3:00; C II	34 Sociology of the New Testament (<i>Henderson</i>) M Second Term 2:00; C II
19 Voluntary Associations (<i>Henderson</i>) M Second Term 3:00; C II	32 Agencies for Welfare (<i>Henderson</i>) M First Term 2:00; C II	35 Philanthropies and Reforms (<i>Henderson</i>) M First Term 3:00; C II
	33 Modern Cities (<i>Henderson</i>) M Second Term 3:00; C II	

REMARKS.

Those who take the Seminar, Course 14, will omit Courses 15, 19, 32, and 33.

THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

(Morgan Park.)

L. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION.

AUTUMN	WINTER	SPRING
1 Biblical Hermeneutics (Gundersen) DM	3 Sacred Antiquities (Gundersen) DM	5 Particular Introduction to New Testament (Gundersen) M First Term
2 General Introduction (Gundersen) DM	4 Epistle to the Romans (Gundersen) DM	6 Epistle to the Galatians (Gundersen) M First Term

LI. SYSTEMATIC THEOLOGY.

1 Introduction to the Science of Christian Theology (——) M First Term		Church Polity (——) M First Term
2 Antecedents of Redemption (——) M First Term		New Testament Ethics (——) M First Term
3 Redemption Itself (——) M Second Term		
4 Consequences of Redemption (——)		

LII. HOMILETICS AND PASTORAL DUTIES.

	1 Theory of Preaching (——) M First Term	
	2 Sermonizing and Preaching (——) DM	
	3 Pastoral Theology (——) M Second Term	

THE QUARTERLY CALENDAR.

THE SWEDISH THEOLOGICAL SEMINARY.

(Morgan Park.)

LV. OLD AND NEW TESTAMENT LITERATURE AND INTERPRETATION.

AUTUMN	WINTER	SPRING
1 Genesis (——) M First Term		
2 Isaiah (——) M Second Term		
3 Romans (——) M First Term		
4 Hebrews (——) M Second Term		

LVI. SYSTEMATIC THEOLOGY AND PASTORAL DUTIES.

1 Introduction to Theology (Lagergren) M First Term	3 Doctrine of God (Lagergren) M First Term	8 Eschatology (Lagergren) M First Term
2 The Bible, a Revelation from God (Lagergren) M Second Term	6 Soteriology, continued (Lagergren) M First Term	10 Pastoral Duties (Lagergren) M First Term
4 Anthropology (Lagergren) M First Term	7 Church Polity (Lagergren) M Second Term	
5 Soteriology (Lagergren) M Second Term	9 Symbolics (Lagergren) M Second Term	

LVII. CHURCH HISTORY.

	1 Ancient Church History (——) M First Term	3 Modern Church History (——) M First Term
	2 Mediæval Church History (——) M Second Term	

LVIII. HOMILETICS.

	1 Theoretical Homiletics (——) M First Term	3 Practical Homiletics, continued (——) M First Term
	2 Practical Homiletics (——) M Second Term	

*AFFILIATED ORGANIZATIONS.***A. DISCIPLES' DIVINITY HOUSE.****SPECIAL COURSES.**

<i>AUTUMN</i>	<i>WINTER</i>	<i>SPRING</i>
1 History of the Disciples (<i>Willett</i>) DM	2 History of the Disciples, con- tinued (<i>Ames</i>) DM	3 History of the Idea of Chris- tian Union (<i>Willett</i>) DM

B. CUMBERLAND PRESBYTERIAN DIVINITY HOUSE.**SPECIAL COURSES.**

	1 Origin and Growth of the Cum- berland Presbyterian Church (<i>Logan</i>) DM	2 Doctrines and Polity of the Cumberland Presbyterian Church (<i>Logan</i>) DM
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TIME SCHEDULE.

SUMMER QUARTER, 1895.

The Laboratory and Research Work of the Departments in the Oorden School of Science is only partially indicated in this time schedule.

Hours. A. M.	DIVINITY SCHOOL.	GRADUATE SCHOOL AND UNIVERSITY COLLEGES OF ARTS AND LITERATURE.	OORDEN (GRADUATE) SCHOOL AND UNIVERSITY COLLEGE OF SCIENCE.	ACADEMIC COLLEGES.
7:30	Psalms and Ecclesiastes in Greek (Arnold), 1st Term. Greek Palaeography (Gregory), 2d Term.	Study of Modern History (Terry), 2d Term. Greek History; Teachers' Course (Wirth), 1st Term. Minor Proposals (W. R. Harper). Elementary French (Bergeron). Historical German (Schmidt-Wartenberg).	College Algebra (Moore). Differential Equations (Slaught). Higher Plane Curves (Maschke). Linear Differential Equation Seminar (Moore), Saturday, 7:30-9:30. Human Osteology (Baur), 1st Term. Friday, 7:30; Saturday, 7:30-10:30. General Morphology of the Vertebrate Skeleton (Baur) Monday and Tuesday, 1st Term. Systematic Phylogeny of Vertebrates (Baur), 1st Term. Wednesday and Thursday.	Elementary French (Bergeron). College Algebra (Moore).
8:30	New Testament Greek (Tolosa), 1st Term. New Testament Textual Criticism (Gregory), 2d Term. English Church History under Tudors (Hubert), 2d Term.	Kant's Critique of pure reason (Twyts), 1st Term. Introductory Psychology (Angell). Geography of Europe (Conger), 1st Term. Seminar: American History (von Holst), 1st Term. Monday, 8:30-10:30. Europe in the early 19th Century (von Holst), 1st Term. Protestant Reformation (Catterall), 1st Term. French Revolution (Thompson), 2d Term. Sociology (Small), 1st Term. Beginners' Hebrew (W. R. Harper and Breasted). Assyrian Language (R. F. Harper). Religions of China and Japan (Buckley). Lucian (Hussey). Roman Epic Poetry (Moore). Elementary Norwegian (Dahl). French Syntax (Bergeron). Victor Hugo (Houland). Old French Phonology (Bruner). Daily Themes (Herrick), 2d Term. Aesthetics of Literature (Twyts), 2d Term.	Calculus (Slaught). Surfaces (Maschke). Astronomical Seminar (See). Formal Logic, Saturdays. Organic Chemistry (Curtiss). Monday-Saturday. Historical Methods (Eysenhymer). 1st Term. Thursdays. Elements of History (Eysenhymer). 2d Term. Thursdays. Development of Central Nervous System (Donaldson). Seminar: Neurology (Donaldson). Friday, 8:30-10:30. Research in Osteology (Baur), 1st Term. Mon.-Fri. 8:30-12:30; 3:00-6:00. Elementary Systematic Botany (Clarke), 8:30-11:30.	Geography of Europe (Conger). 1st Term. History: Medieval Period (Thatcher). Homor (Owen). Horace, Odes (Walker). Elementary German (Kern). Plane Trigonometry (Dickson). 2d Term. Elementary Botany (Clarke), 8:30-11:30.
9:30	Social History of New Testament Times (Mathews). 1st Term. Philippians (Burton). 2d Term. Ancient Church History (Hubert), 2d Term. Theology Proper (Northrup), 1st Term.	Movements of Thought in 19th Century (Twyts), 1st Term. Principles of Political Economy (Miller). American State Government (Judson), 1st Term. Study of Modern History (Terry), 2d Term. Sociology (Small), 1st Term. Advanced Hebrew Grammar (W. R. Harper). History of Jewish Sects (Hirsch), 1st Term. Introduction to Rabbinic Literature and Life (Hirsch), 2d Term. Early Assyrian Inscriptions (R. F. Harper). Greek Lyric Poets (Capps), 1st Term. Theocritus (Capps), 2d Term. Laurelins (Hendrickson). French Literature (Bergeron). Dante (Houland), 1st Term.	Determinants (Young). Functions (Moore). Geographic Geology (Chamberlin). 1st Term. 9:30-11:30. Elementary Zoology (Wheeler). 9:30-12:30. 1st Term. Vertebrate Embryology (Wheeler). 9:30-12:30. 2d Term.	Principles of Political Economy (Miller). Cicero (Moore). German Comedies (Schmidt-Wartenberg). English Literature (Brynolds). General Elementary Zoology (Wheeler). 9:30-12:30. 1st Term.
10:30	New Testament Times (Mathews), 1st Term. Gospel of Mark (Burton). 2d Term. Preparation in England and Bohemia for the Reformation (Monierka), 1st Term.	Advanced Psychology (Angell). History of Education (Therby). Advanced Political Economy (Miller). Municipal Government (Judson), 1st Term. History of the United States (Shoppard), 2d Term. History of Anarchy (Goodspeed). Comparative Literature (Terry). W. R. Harper, 1st Term. Arabic Geography (W. R. Harper), 2d Term. Hebrew Reading (Grandault), 2d Term.	Mathematical Pedagogy (Young). 1st Term. General Physics: Lectures (Wadsworth). Advanced Analytic Geometry (Smith). Determination of Orbits (See). General Chemistry (Langfeld). 1st Term. 10:30-12:30. General Bacteriology (Jordan). 2d Term.	History: Modern Europe (Schmitt). German, Intermed. Course (Kern). Mathematical Pedagogy (Young). General Physics: Lectures (Wadsworth). English Literature (Brynolds). General Elementary Zoology (Wheeler). 1st Term.

10:30	<p>1st Term. Sanskrit (<i>Stratton</i>). Sophocles and Euripides (<i>Cappes</i>). Old French Morphology (<i>Bruner</i>). Early Latin (<i>Abbott</i>). Gothic (<i>von Klenze</i>). Elementary Italian (<i>Hovland</i>). English Literature Seminar (<i>Crow</i>). Thursday, 10:30-12:30. English Romantic Poets (<i>Reynolds</i>). Development of English Literary Criticism (<i>McClintock</i>).</p>	<p>Institutes of Pedagogy (<i>Thurber</i>). Protestant Reformation (<i>Cutler</i>). 1st Term. French Revolution (<i>Thompson</i>). 2d Term. History of Antiquity (<i>Goodspeed</i>). 2d Term. Rise of Prussia (<i>Schmitt</i>). State and Reform (<i>Bemis</i>). 1st Term. History of Woman (<i>Thomas</i>). Sight Reading (<i>Cravatt</i>). 2d Term. Deuteronomy (<i>Breasted</i>). 2d Term. Comparative Grammar (<i>Stratton</i>). Post-Classical Greek Poets (<i>Hussey</i>). Syntax of Latin Verb (<i>Walker</i>). 1st Term. Plautus (<i>Walker</i>). 2d Term. Dante (<i>Hovland</i>). 1st Term. Lessing (<i>Cutting</i>). Schiller (<i>von Klenze</i>). English Allegory (<i>Triggs</i>). Text of Hamlet (<i>Brainard</i>).</p>	<p>Reformation Period (<i>Moncrief</i>). 1st Term. Philosophy and Christian Religion (<i>Northrup</i>). 1st Term.</p>	<p>CHAPEL EXERCISE.</p>	<p>Mathematical Theory of Heat of Sun (<i>See</i>). Research Methods of Investigation (<i>Wadsworth</i>). Mond., Wed. Fri. Special Organic Chemistry (<i>Nef</i>). 2d Term. Friday and Saturday. Morphology of Cryptograms (<i>Davis</i>). Tuesday and Friday.</p>	<p>Cicero's Letters (<i>Abbott</i>). Xenophon and Plato (<i>Owen</i>). General Chemistry (<i>Lengfeld</i>). 1st Term. General Elementary Zoology (<i>Wheeler</i>). 1st Term.</p>
11:30	<p>Reformation Period (<i>Moncrief</i>). 1st Term. Philosophy and Christian Religion (<i>Northrup</i>). 1st Term.</p>	<p>CHAPEL EXERCISE.</p>	<p>CHAPEL EXERCISE.</p>	<p>CHAPEL EXERCISE.</p>	<p>Theory and Design of Scientific Instru- ments of Precision (<i>Wadsworth</i>). Thursday and Friday. Physics, Laboratory Practice, Advanced (<i>Wadsworth</i>). Mond.-Wed. 1:30-4:30. General Chemistry (<i>Lengfeld</i>) Labora- tory. 1st Term. 2:00-3:00. Special Bacteriology (<i>Jordan</i>). 2d Term. 2:00-4:00. General Bacteriology (<i>Jordan</i>). 2d Term. 2:00-4:00. Anatomy and Histology Laboratory (<i>Eycleshymer</i>). Mon., Thurs. Fri. 2:00-5:00. Physiology, Laboratory Work (<i>Lingle</i>). 1st Term. 2:00-3:00. Neurology: Laboratory, Friday, 2:00-3:00. Morphology of Cryptograms (<i>Davis</i>) Laboratory. Monday and Thursday, 2:00-5:00. Plant Evolution (<i>Clarke</i>). Tuesday and Friday, 2:00-3:00; Wed. 2:00-4:00.</p>	<p>Rhetoric and English Composition (<i>Herrick</i> and <i>Lozett</i>). Physics; Labor. Practice (<i>Wadsworth</i>). 1:30-2:30. Chemistry 1 Work } (<i>Lengfeld</i>). Laboratory 2:00-4:00. 1st Term. 2:00-4:00. Introductory Physiology Laboratory Work (<i>Lingle</i>). 2d Term.</p>
2:00	<p>New Testament Greek (<i>Votaw</i>). 1st Term.</p>	<p>CHAPEL EXERCISE.</p>	<p>CHAPEL EXERCISE.</p>	<p>CHAPEL EXERCISE.</p>	<p>Geography of Europe (<i>Conger</i>). 1st Term. Elementary German (<i>Kern</i>). Chemistry 1 Laboratory Work } (<i>Lengfeld</i>). 1st Term. Introductory Physiology: Laboratory Work (<i>Lingle</i>). 2d Term.</p>	<p>Chemistry 1 Work } (<i>Lengfeld</i>). Laboratory 2:00-4:00. 1st Term. 2:00-4:00. Introductory Physiology: Laboratory Work (<i>Lingle</i>). 2d Term.</p>
3:00						
4:00						
5:00						

ROOM SCHEDULE, COBB LECTURE HALL.

SUMMER QUARTER, 1895.

NOTE.—B C and D indicate the Second, Third and Fourth Floors of Cobb Lecture Hall. The numerals after the name of the Instructor indicate the number of Department and Course. Numbers in bold-face type are Academic College Courses. T. Term.

ROOM	7:30	8:30	9:30	10:30	11:30	2:00	3:00	4:00
B. 2		Owen (xi 1 & 3)	Capps (xi 10 & 11)	Capps (xi 15)	Owen (xi 2)		Hendrickson (xii 35) Tuesday 2:00-3:00	
3				A. W. Stratton (x 4)	A. W. Stratton (x 2 & 3)			
5								
6		Moore (xii 38)	Moore (xii 4)		Husey (xi 31)			
7		Walker (xii 6)			Abbott (xii 7)			
8		Husey (xi 30)	Hendrickson (xii 10)	Abbott (xii 29)	Walker (xi 37 & 9)			
9	Wartenberg (xiv 16)	Dahl (xiv 20)	Cutting, (xiv 15)	von Klenze (xiv 18)	Cutting (xiv 1)		Dahl (xiv 23)	
10		Kern (xiv 29)	Wartenberg (xiv 33)	Kern (xiv 30)	von Klenze (xiv 2)	Dahl (xiv 23)	Kern (xiv 29)	
12		Bruner (xiii 21)	Howland (xiii 26) 1 T.	Bruner (xiii 23)	Howland (xiii 26) 1 T.	Bruner (xiii 23) Monday 2:00-4:00		
14		Howland (xiii 8)						
16	Bergeron (xiii 1)	Bergeron (xiii 4)	Bergeron (xiii 10)	Howland (xiii 31)		Crow (xv 45)		
C. 3		Thatcher (iv 1)	A. C. Miller (ii 1)	A. C. Miller (ii 1A)				
7	Terry (iv 3) 2 T.	von Holst (iv 50) 1 T.; iv 62, Monday 8:30-10:30. 1 T.	Terry (iv 3) 2 T.	Shepardson (iv 53 & 54)				
8	Wirth (iv 29)	Cattell (iv 4) 1 T.		Schwili (iv 2)	Cattell (iv 4) 1 T.			
9		Thompson (iv 5) 2 T.		Judson (iii 13) 1 T.	Thompson (iv 5) 2 T.		Conger (iii 7) 1 T.	
10		Conger (iii 7) 1 T.	Judson (iii 12) 1 T.	Thomas (vi 11)	Schwili (iv 49)	West (iv 49 & 50)		
11		Small (vi 22) 1 T.	Small (vi 22) 1 T.	Bemis (vi 20) 1 T.	Thomas (vi 42)			
13				Thurber (i B 1)	Bemis (vi 21) 1 T.			
14			Crow (xv 46)	Thurber (i B 2)				
17		Tufts (i 5)	Crow (xv 26)	Crow (xv 26)				
D. 1		Tufts (i 46)						
2		Lovett (xv 7) 1 T.				Herrick, Lovett (xv 1)		
6		Northrup (xiv 2) 1 T.	Northrup (xiv 2) 1 T.	Mathews (xvi 11) 1 T.	Northrup (xiv 7)			
7		Burton (xiv 8) 2 T.	Burton (xiv 8) 2 T.	Burton (xiv 18) 2 T.	1 T.			
8		Crandall (xiv 3) 2 T.	Crandall (xiv 3) 2 T.	Crandall (xiv 3) 2 T.	Moncrief (xiv 15) 1 T.			
9		Hulbert (xiv 33) 2 T.	Hulbert (xiv 1) 2 T.	Moncrief (xiv 15) 1 T.	Crandall (xiv 15) 1 T.			
11		Dickson (xvii 4) 2 T.	Mathews (ix 166) 1 T.	Reynolds (xv 54)				
12		Triggs (xv 87)	Reynolds (xv 40)	McClintock (xv 88 A)	Triggs (xv 43)			
13			McClintock (xv 84)	Reynolds (xv 54)	Bralnard (xv 44)	Davidson (xv 24C)	Davidson (xv 20A)	
15								
16	W. R. Harper (viii 71)	R. F. Harper (viii 71)	R. F. Harper (viii 75)	R. F. Harper (viii 75)				
17	W. R. Harper (viii 71)	W. R. Harper (viii 71)	W. R. Harper (viii 75)	W. R. Harper (viii 75)				
18								
19								
20								

The Official and Semi-Official Organizations.

NOTE.—It has been decided to publish in the *QUARTERLY CALENDAR* brief abstracts of papers read at the meetings of the Philological Society and the Departmental Clubs. The presiding officers of these associations are requested to announce this decision at the meetings of their club; and the secretaries are expected to send at their earliest convenience, to the Recorder's office, a report containing: (1) Date of regular meeting of the club, and (2) List of officers elected for the current year. It shall also be the secretaries' duty to furnish to the Recorder the titles of articles to be presented to the Clubs at their next meeting, and to see that brief abstracts of these communications are sent to the Recorder's Office.

OFFICERS OF THE UNIVERSITY CLUBS.

THE GRADUATE CLUB.

President—C. H. Gordon (Geology).
Vice President—J. W. Howerth (Sociology).
Secretary—Miss J. K. Weatherlow (English).
Treasurer—C. K. Chase (Latin).

Executive Committee—E. Bartlett, A. W. Moore, Sarah Hardy, H. K. Whitaker, Jessie Jones, E. C. Perisho, Isabelle Stone, O. K. Folin, T. L. Neff, W. P. Behan.

THE PHILOLOGICAL SOCIETY.

President—Assistant Professor F. A. Blackburn.
Vice President—Assistant Professor H. Schmidt Wartenberg.
Secretary and Treasurer—Assistant Professor F. J. Miller.

Programme Committee—The President, Vice President, and the Secretary, with F. A. Wood and Theo. L. Neff, of the Graduate School.

The Society meets in *Room B 8, Cobb Lecture Hall*, on the third Friday of each Term, 8:00 P.M.

THE DEPARTMENTAL CLUBS.

THE BIOLOGICAL CLUB.

President—Head Professor C. O. Whitman.
Vice President—Professor H. H. Donaldson.
Secretary and Treasurer—H. S. Brode.

Meets fortnightly, Wednesdays at 4:00 P.M., in *Kent Chemical Laboratory*.

THE CHEMICAL CLUB.

President—Professor J. U. Nef.
Meets every Friday at 8:00 P.M., in *Lecture Room Kent Chemical Laboratory*.

THE CHURCH HISTORY CLUB.

President—C. D. Case.
Vice President—W. H. Howard.
Secretary—J. H. Randall.
Meets fortnightly on Tuesday at 7:30 P.M., in the *Faculty Room*.

THE CLASSICAL CLUB.

President—Head Professor W. G. Hale.
Vice President—Professor Paul Shorey.
Secretary—Emma L. Gilbert.

Executive Committee—The President, Vice President, and the Secretary, with C. K. Chase and H. L. Lovell, of the Graduate School.
Meets monthly.

THE COMPARATIVE RELIGION CLUB.

President—F. J. Coffin.
Secretary—F. C. Sherman.
Meets monthly throughout the year.

THE ENGLISH CLUB.

President—Associate Professor W. D. McClintock.
Secretary—Dr. Edwin H. Lewis.
Programme Committee—The President, Secretary, and Delegate.

The meetings are to be held hereafter upon Tuesday evening of the third, seventh, and eleventh weeks of each quarter, in *Cobb Lecture Hall, Room B 10*, at 8:00 P.M.

THE EXEGETICAL CLUB.

President—J. H. Grant.
Secretary and Treasurer—A. R. E. Wyant.

Programme Committee—Professors Price, Burton, and Goodspeed.

Meets fortnightly on Tuesday evening, in D 16.

THE FRENCH LITERATURE CLUB.

President—Assistant Professor E. Bergeron.

Secretary—S. H. Ballou.

Meets fortnightly on Fridays at 4:00 P.M., in B 16.

THE GEOLOGICAL CLUB.

President—Thomas C. Hopkins.

Vice President—Lizzie K. Ford.

Secretary—D. E. Willard.

Meets fortnightly, Tuesdays at 4:00 P.M., in Walker Museum.

THE GERMANIC CLUB.

President—Associate Professor S. W. Cutting.

Secretary—Paul Oscar Kern.

Meets fortnightly on Mondays at 3:00 P.M., in B 11.

THE LATIN CLUB.

President—Assistant Professor F. J. Miller.

Secretary—Harry W. Stone.

Meets monthly, 8:00 P.M., at 5410 Madison av.

THE MATHEMATICAL CLUB AND SEMINAR.

Conducted by the Instructors of the Mathematical Faculty. Meets fortnightly, Saturdays at 4:30 P.M., in Ryerson Physical Laboratory, 35.

THE NEW TESTAMENT JOURNAL AND ESSAY CLUB.

President—Associate Professor Shailer Mathews.

Vice President—Head Professor E. D. Burton.

Secretary—C. E. Woodruff.

Meets fortnightly on Tuesdays at 8:00 P.M.

THE POLITICAL ECONOMY CLUB.

Honorary President—Head Professor J. L. Laughlin.

President—William Hill.

Secretary and Treasurer—George Tunell.

Executive Committee—The President, Secretary, Sarah M. Hardy, John W. Million, and Robert F. Hoxie.

Meets Thursdays at 7:30 P.M., in the Faculty Room.

THE CLUB OF POLITICAL SCIENCE AND HISTORY.

President—Harry Pratt Judson.

Vice President—G. H. Alden.

Secretary and Treasurer—Lulu C. Daniels.

Executive Committee—The President and Secretary together with J. W. Fertig, Ethel A. Glover and W. S. Davis.

Meets fortnightly on Wednesdays at 8:00 P.M., in the Faculty Room.

THE ROMANCE CLUB.

President—Mr. George C. Howland.

Secretary—Susan R. Cutler.

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Meets fortnightly on Thursdays at 7:30 P.M.

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President—Head Professor John Dewey.

Vice President—Associate Professor J. H. Tufts.

Secretary—H. L. Schoolcraft.

Meets fortnightly on Wednesdays at 7:45 P.M., in C 13.

THE SOCIOLOGY CLUB.

President—C. H. Hastings.

Vice President—J. D. Forrest.

Secretary and Treasurer—Paul Monroe.

Meets fortnightly on Tuesdays at 7:30 P.M., in the Faculty Room.

THE UNIVERSITY EXTENSION CLUB.

Executive Committee: H. B. Grose, J. H. Raymond,

E. W. Bemis, Nathaniel Butler, C. E. Crandall.

Secretary—F. W. Shephardson.

Meets monthly, on Saturday, at 7:30 P.M., from October to July.

THE ORATORICAL ASSOCIATION.

President—William O. Wilson.

Vice President—Viktor O. Johnson.

Secretary—Moses D. McIntyre.
Treasurer—Phineas J. Yousephoff.
Critic—Robert L. Hughes.

Meets fortnightly on Mondays at 7:30 P.M., in *Lecture Room, Cobb Lecture Hall.*

THE LITERARY SOCIETY OF THE DANO-NORWEGIAN THEOLOGICAL SEMINARY.

(*Morgan Park, Ill.*)

President—S. Kristoffersen.
Vice President—H. P. Andersen.
Secretary—O. Skotheim.
Vice Secretary—H. J. Jacobsen.

Programme Committee—H. P. Andersen, A. Andersen, and F. Holm.

Meets every Thursday at 8:00 P.M., in *Chapel, Morgan Park Academy.*

THE SWEDISH LITERARY SOCIETY.

(*Morgan Park, Ill.*)

President—Bennet Erickson.
Vice President—S. G. Carlson.
Secretaries—E. W. Olson and C. E. Nylén.
Programme Committee—C. G. Scott, C. O. Dahlen, J. A. Carlson, R. A. Clint, and A. Lagerquist.

Meets Tuesdays at 7:30 P.M.

THE CHRISTIAN UNION AND OTHER RELIGIOUS ORGANIZATIONS.

OFFICERS OF THE CHRISTIAN UNION.

President—Associate Professor C. R. Henderson.
Vice President—A. A. Ewing.
Secretary and Treasurer—F. W. Woods.

The Executive Committee consists of C. R. Henderson, Chairman; Head Professor J. Laurence Laughlin, Miss Laura A. Jones, W. E. Chalmers, F. W. Woods, Miss Mary D. Maynard, together with the Presidents of the Young Men's Christian Association, the Young Women's Christian Association, the Missionary Society, the Volunteer Band, and the Disciples' Club.

The Executive Committee holds regular meetings each month.

SUB-COMMITTEES.

Public Worship—A. A. Ewing.
Bible Study—W. E. Chalmers.
Social Life—Mary D. Maynard.
Philanthropic Work—J. Laurence Laughlin, Chairman; M. L. Marot, Secretary and Treasurer; Mary E. McDowell, Head Resident of the University Settlement.

THE YOUNG WOMEN'S CHRISTIAN ASSOCIATION.

President—Mary D. Maynard.

Meets every Thursday at 1:30 P.M., in *Lecture Room, Cobb Lecture Hall.*

Union Meetings of the two Associations are held on Sundays, at 6:45 P. M.

THE MISSIONARY SOCIETY

Of the Divinity School of The University of Chicago.

President—H. A. Fisk.
Vice President—J. A. Herrick.
Treasurer—J. Y. Aitchison.
Secretary—W. A. Wilkin.

Meets fortnightly on Thursday evening, in *Chapel, Cobb Lecture Hall.*

THE DISCIPLES' CLUB

Of The University of Chicago.

President—J. D. Forrest.
Secretary—C. J. Atwater.

Meets on alternate Thursday evenings. Organized October 1, 1894.

THE VOLUNTEER BAND

Of The University of Chicago.

Chairman—W. A. Wilkin.
Secretary—Cora A. Allen.

Meets Fridays at 5:00 P.M. in D 7.

OFFICERS OF THE RELATED SOCIETIES.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

President—W. A. Payne.

Meets every Friday, at 6:45 P. M., in *Lecture Room, Cobb Lecture Hall.*

THE QUARTERLY CALENDAR.

MUSIC.

WARDNER WILLIAMS, *Assistant in Music.*

Theatre, Kent Chemical Laboratory.

VOICE CULTURE. One hour a week. Tuesday at 5:00 P.M.

THE UNIVERSITY CHORUS. One hour and a quarter a week. Tuesday, at 7:15 P.M.

THE UNIVERSITY CHOIR. Five half hours a week. Monday-Friday, at 8:00 A.M.

THE UNIVERSITY ORCHESTRA. One hour and a half a week. Wednesday, at 7:30 P.M.

HARMONY. Two hours a week. Monday and Thursday, at 8:30 P.M.

THEORY OF MUSIC. Two hours a week. Tuesday and Friday, at 8:30 A.M.

THE HISTORY OF MUSIC. One hour a week. Wednesday, 8:30 A.M.

MUSICAL LECTURES AND RECITALS. Wednesdays, at 5:00 P.M.

THE EMPLOYMENT BUREAU.

There will be no further examination for Evening school certificates until September, 1895.

There will be an examination for High and Grammar school certificates about July 1, 1895. The exact date will be announced later.

Students who registered last quarter and received no work are continued on the enrollment of the Bureau. Others must re-register.

THE STUDENTS' FUND SOCIETY.

This Society makes loans upon the joint recommendation of its own Committee and a Committee of the Faculty. Students are not eligible for loans until they have been members of the University one Quarter, and have shown marked success in scholarship. Applications are considered by the Committee of the Faculty at the end of each Quarter, but in order that the necessary preliminary information may be secured all applications for loans to be granted in any Quarter must be handed in to *Head Professor J. L. Laughlin*, Chairman, by the first of December, March, June, and September for the respective Quarter following. Application blanks may be secured at the office of the Registrar.

The Officers of the Society are :

President—A. A. Sprague.

Vice President—Norman Williams.

Secretary—Charles H. Hamill.

Treasurer—Byron L. Smith.

The Officers of the Executive Committee are :

President—Mrs. H. M. Wilmarth.

Vice President—Mrs. George E. Adams.

Secretary—Mrs. Noble B. Judah.

The Board of Directors consists of seven gentlemen and twelve ladies.

The Committee of the Faculty is composed of :

Head Professor J. Laurence Laughlin, Chairman;

Dean Judson, Dean Talbot, Associate Professor

Stratton, and Assistant Professor F. J. Miller.

ORDER OF EXAMINATIONS FOR ADMISSION.**FOR THE SUMMER QUARTER, 1895.****WEDNESDAY, JUNE 19, 1895.**

Latin 3)	-	-	-	-	-	9:00—10:00	German 1)	-	-	-	-	-	-	2:00—3:00
Latin 1)	-	-	-	-	-	10:00—11:00	German 2)	-	-	-	-	-	-	3:00—4:00
History of the United States	-	-	-	-	-	11:00—11:30	Greek 4)	-	-	-	-	-	-	3:00—4:00
History of Greece	-	-	-	-	-	11:30—12:15	Algebra	-	-	-	-	-	-	4:00—5:00
Latin 2)	-	-	-	-	-	12:15—12:45								

THURSDAY, JUNE 20, 1895.

German 3)	-	-	-	-	-	9:00—10:00	English	-	-	-	-	-	-	2:00—3:30
Greek 3)	-	-	-	-	-	9:00—10:00	Solid Geometry	-	-	-	-	-	-	3:30—4:15
French 2)	-	-	-	-	-	9:00—10:15	History of Rome	-	-	-	-	-	-	4:15—5:00
French 1)	-	-	-	-	-	10:15—11:00								
Greek 1)	-	-	-	-	-	11:00—12:15								

FRIDAY, JUNE 21, 1895.

Plane Geometry	-	-	-	-	-	9:00—10:00	Latin 4)	-	-	-	-	-	-	1:30—2:45
Physics	-	-	-	-	-	10:00—11:30	Geology, Astronomy, Physiography	-	-	-	-	-	-	1:30—2:30
History 2a)	-	-	-	-	-	11:30—12:30	Biology	-	-	-	-	-	-	2:30—3:30
							Latin 5)	-	-	-	-	-	-	2:45—3:30
							Greek 2)	-	-	-	-	-	-	3:30—4:00
							Chemistry	-	-	-	-	-	-	3:30—5:00

The above programme will be followed for the Autumn Quarter, September 18, 19 and 20, 1895.

CALENDAR FOR 1895.

Jan. 1.	Tuesday	NEW YEAR'S DAY; a holiday. FIRST TERM of Winter Quarter begins.			<i>Degree of Bachelor of Divinity or Theology to be conferred at the October Convocation.</i>
Jan. 2.	Wednesday	MATRICULATION and REGISTRATION of incoming students. WINTER MEETING of the <i>University Convocation.</i>	June 23-30		QUARTERLY RECESS.
Jan. 31.	Thursday	DAY OF PRAYER for Colleges.	July 1.	Monday	FIRST TERM of Summer Quarter begins.
Feb. 11.	Monday	FIRST TERM of Winter Quarter ends.			MATRICULATION and REGISTRATION of incoming students.
Feb. 12.	Tuesday	LINCOLN'S BIRTHDAY; a holiday. SECOND TERM of Winter Quarter begins.	July 4.	Thursday	SUMMER MEETING of the <i>University Convocation.</i>
Feb. 22.	Friday	WASHINGTON'S BIRTHDAY; a holiday.	July 7.	Sunday	INDEPENDENCE DAY; a holiday.
Mar. 8.	Friday	LAST DAY for handing in <i>registration cards</i> for Spring Quarter.	Aug. 10.	Saturday	THE CONVOCATION SERMON.
Mar. 20-22.	Wednesday	QUARTERLY EXAMINATIONS, and SPRING EXAMINATIONS for admission to the <i>Academic Colleges.</i>	Aug. 11.	Sunday	FIRST TERM of Summer Quarter ends.
Mar. 23.	Saturday	LAST DAY for handing in <i>Theses for the Doctorate and the Degree of Bachelor of Divinity or Theology</i> to be conferred at the <i>July Convocation.</i>	Sept. 2.	Monday	SECOND TERM of Summer Quarter begins.
Mar. 24.	Sunday	SECOND TERM of Winter Quarter ends.	Sept. 18-20.	Wednesday	LAST DAY for handing in <i>registration cards</i> for Autumn Quarter.
Mar. 25-31.		QUARTERLY RECESS.	Thursday		QUARTERLY EXAMINATIONS, and AUTUMN EXAMINATIONS for admission to the <i>Academic Colleges.</i>
April 1.	Monday	FIRST TERM of Spring Quarter begins. MATRICULATION and REGISTRATION of incoming students. SPRING MEETING of the <i>University Convocation.</i> LAST DAY for receiving applications for fellowships.	Friday		
April 7.	Sunday	CONVOCATION SERMON.	Sept. 21.	Saturday	SECOND TERM of Summer Quarter ends.
May 1.	Wednesday	ANNUAL ASSIGNMENT of <i>Fellowships.</i>			LAST DAY for handing in <i>Theses for the Doctorate and the Degree of Bachelor of Divinity or Theology</i> , to be conferred at the <i>January Convocation.</i>
May 11.	Saturday	FIRST TERM of Spring Quarter ends.	Sept. 22-30.		QUARTERLY RECESS.
May 13.	Sunday	SECOND TERM of Spring Quarter begins.	Oct. 1.	Tuesday	FIRST TERM of Autumn Quarter begins.
May 30.	Thursday	MEMORIAL DAY; a holiday.			MATRICULATION and REGISTRATION of incoming students.
June 8.	Saturday	LAST DAY for handing in <i>Registration Cards</i> for Summer Quarter.	Oct. 6.	Sunday.	AUTUMN MEETING of the <i>University Convocation.</i>
June 14.	Friday	ACADEMIC COLLEGE DAY; a holiday.	Nov. 9.	Saturday	THE CONVOCATION SERMON.
June 19-21.	Wednesday	QUARTERLY EXAMINATIONS, and SUMMER EXAMINATIONS for admission to the <i>Academic Colleges.</i>	Nov. 10.	Sunday	FIRST TERM of Autumn Quarter ends.
June 22.	Saturday	SECOND TERM of Spring Quarter ends. LAST DAY for handing in <i>Theses for the Doctorate and the</i>	Nov. 28.	Thursday	SECOND TERM of Autumn Quarter begins.
			Dec. 2.	Monday	THANKSGIVING DAY; a holiday.
			Dec. 17-20.	Tuesday	LAST DAY for handing in <i>registration cards</i> for Winter Quarter.
			Wednesday		QUARTERLY EXAMINATIONS, and WINTER EXAMINATIONS for admission to the <i>Academic Colleges.</i>
			Thursday		
			Friday		
			Dec. 21.	Saturday	SECOND TERM of Autumn Quarter ends.
					LAST DAY for handing in <i>Theses for the Doctorate and the Degree of Bachelor of Divinity or Theology</i> to be conferred at the <i>April Convocation.</i>
			Dec. 23-31.		QUARTERLY RECESS.

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STATED MEETINGS.**TRUSTEES, FACULTIES, AND BOARDS.**

The *Board of Trustees* holds stated meetings on the last Tuesday of each month.

The monthly meetings of *Faculties and Administrative Boards* are held on Saturdays, from 8:30 A.M. to 1:00 P.M. as follows:

First Saturday.

8:30- 9:30—Administrative Board of Physical Culture and Athletics.

9:30-11:00—Administrative Board of the Academic Colleges.

11:00- 1:00—The University Senate.

Second Saturday.

8:30- 9:30—Administrative Board of Affiliations.

9:30-11:00—The University Council.

1:00- 1:00—Faculty of Morgan Park Academy.

Third Saturday.

8:30- 9:30—Administrative Board of the University Press.

9:30-11:00—Joint meeting of the Administrative Boards of the Graduate School of Arts and Literature, and the Ogden (Graduate) School of Science.

11:00- 1:00—The Faculty of Arts, Literature, and Science.

Fourth Saturday.

8:30- 9:30—Administrative Board of the University Colleges.

9:30-11:00—Administrative Board of Libraries, Laboratories, and Museums.

11:30- 1:00—The Divinity Faculty.

The University Extension Faculty meets on the first Monday, at 5:00 P.M.

The *Annual Register* is issued about July 1st of each year. It contains a full statement in respect to the organization of the University, the Faculties, the Courses offered during the year, lists of students, requirements for admission, regulations governing the various schools and colleges of the University, an historical statement concerning the University, University clubs and organizations, etc.

The *Quarterly Calendar* is issued about the first day of May, August, November, February, and contains an historical statement of the University work of the preceding quarter, the registration of students during the quarter, and lists of courses of instruction to be offered during the succeeding quarters.

The *Circular of Information* concerning the Departments of Arts, Literature, and Science contains full information as to admission to the Schools and Colleges of these departments and statements concerning the requirements of degrees.

The *Circular of Information* of the Divinity School contains all information concerning the Divinity School, courses, admission, etc.

The *Circular of Information* of the University Extension Division contains lists of lectures and courses offered, statement of correspondence work, class work, etc.

Departmental Programmes are issued by all the departments of instruction, and give details of the work of the departments that cannot be given in the REGISTER or the CALENDAR.

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